

H-F DICTIONARY OF ACADEMIC TERMS 08-09

This list of academic terms, and the knowledge behind each term, presents the educational framework of Homewood-Flossmoor Community High School. It is our thoughtful intent that students' minds will be engaged in the gradual shaping of these word meanings through multiple exposures within their coursework. While we know that effective vocabulary instruction does not rely on definitions alone, we present this list to kindle academic conversations between teachers and students across our curriculum.

abdominal muscles (*Physical Education, 9th & 10th grade*) The muscles on the front of the body between the chest and the pelvic area

abolition (*U.S. History*) Movement to eliminate slavery

abrasion (*Family & Consumer Science*) The worn spot that can develop when fibers rub against something

abstinence (*Health*) A deliberate decision to avoid harmful behaviors, including sexual activity before marriage and the use of tobacco, alcohol, and other drugs

acceleration (*Pre-Calculus*) The rate of change of a rate of change

acceleration (*Physics*) The rate of change of velocity with respect to time

accident (*Vocational Technology*) An unforeseen or unplanned event or circumstance

accuracy (*Physics*) Freedom from mistake or error

account (*Business Education*) The subdivision under the three sections of the accounting equation used to summarize increases and decreases in assets, liabilities, and owners' equity

accounting cycle (*Business Education*) The accounting period of a business separated into activities to help the business keep its accounting records in an orderly fashion

Achilles tendon (*Physical Education, 9th & 10th grade*) Tendon on the back of the leg that connects the muscles in the calf to the bone of the heel

acid (*Chemistry*) A substance that produces hydrogen ions in aqueous solutions; a proton donor

acquired immune deficiency syndrome (AIDS) (*Health*) A disease in which the immune system of the patient is weakened

active voice (*English, 10th grade*) When a verb expresses an action performed by its subject

active warm-up (*Physical Education, 11th & 12th grade*) Exercises that raise body temperature by actively working the body systems centering on the muscles, skeleton, heart, and lungs

acute angle (*Geometry*) An angle whose degree measure is less than 90 degrees

addiction (*Health*) A physiological or psychological dependence on a drug

adherence (*Physical Education, 11th & 12th grade*) The ability to stick to a plan of action

adjacent angles (*Geometry*) Angles that have a common ray coming out of the vertex going between two other rays

adjective (*World Languages*) Word that modifies/describes a noun; for example: A great teacher

adverb (*World Languages*) Word that modifies/describes a verb; for example: He spoke softly. Word that modifies/describes an adjective; for example: She was happily married. Word that modifies/describes an adverb; for example: He spoke extremely softly.

advertising (*Business Educations*) A paid, non-personal form of communication that businesses use to promote their products or services

aerobic activity (*Physical Education, all grades*) Continuous activity that requires large amounts of oxygen

aesthetics (*Visual Art*) The experience of intrinsic features of things or events traditionally recognized as worthy of attention

affix (*Reading*) A word part attached to a base, stem, or root word; for example: a prefix or a suffix

agility (*Physical Education, 9th & 10th grade*) The ability to quickly change the position of the body and to control the body's movements

agreement (*World Languages*) Nouns/adjectives agree in number and gender; subject/verb endings agree or correspond to one another

alliteration (*English, 12th grade*) The repetition of consonant sounds at the beginning of words

allusion (*English, 10th grade*) A reference to a historical or fictional person, place, or event with which the reader is assumed to be familiar

alternator (*Vocational Technology*) An electric generator that produces alternating current but is rectified to DC current by diodes; also called an AC generator

American slavery (*U. S. History*) A harsh and dehumanizing form of bondage, lasting over two hundred years, in which African-Americans were treated as property

ammeter (*Vocational Technology*) An electrical test instrument used to measure amperes

amniocentesis (*Family & Consumer Science*) A prenatal test in which a sample of the amniotic fluid is

H-F DICTIONARY OF ACADEMIC TERMS 08-09

withdrawn and tested for indications of birth defects or other health problems in the developing baby

amniotic fluid (*Family & Consumer Science*) The liquid that surrounds and protects the baby as it develops in the uterus during pregnancy

amplitude (*Algebra 2/Trig*) The maximum absolute value of the vertical component of a periodic curve

amplitude (*Physics*) The extent of a vibratory movement

anaerobic fitness (*Physical Education, 11th & 12th grade*) High levels of muscular strength, muscular endurance, and flexibility

analogy (*English, 9th grade*) A comparison demonstrating the similarity, or similarities, between two people, places, objects, or concepts

analysis (*Reading*) The separation of a whole into its fundamental elements for the purpose of study

analyze (*Music*) To determine the nature and relationship of the melodic, harmonic, and rhythmic elements of a piece of music

anecdote (*English, 9th grade*) A short account of an incident often used as an example in writing

anemia (*Family & Consumer Science*) A condition caused by lack of iron that results in poor appetite, tiredness, and weakness

angle (*Geometry*) A figure formed by two rays sharing a common endpoint, called the vertex of the angle

angle of depression (*Algebra 2/Trig*) The angle formed by a horizontal line and the line of sight to an object at a lower level

animal books (*Family & Consumer Science*) Children's books that give animals human qualities

anion (*Chemistry*) A negative ion

anti-node (*Physics*) A region of maximum amplitude situated between adjacent nodes in a vibrating body

antagonist (*English, 9th grade*) The character that conflicts with the protagonist

antecedent (*English, 9th grade*) The noun to which a pronoun refers; for example, as "John," in "Mary saw John and called to him."

antithesis (*English, 11th grade*) The rhetorical contrast of ideas by means of parallel arrangements of words, clauses, or sentences

antonym (*Reading*) A word meaning the opposite of another word

apgar scale (*Family & Consumer Science*) A rating system, applied shortly after birth, that is used to evaluate a newborn's physical condition

application (*Reading*) Using what was learned in another way or for another purpose

archetype (*English, 9th grade*) The original model of which all things of the same type are representations or copies

architectural drawing (*Family & Consumer Science*) A plan containing information about the size, shape, and location of all parts of the building

aristocrats (*World History*) The nobility or upper class of a society

articulation (*Music*) In performance, the characteristics of attack and decay of single tones or groups of tones and the means by which these characteristics are produced

artificial insemination (*Family & Consumer Science*) The process by which a doctor injects sperm into a woman's uterus with a special needle for the purpose of reproduction

ascorbic acid (*Family & Consumer Science*) A food additive that adds nutritive value and prevents color and flavor loss; another name for "vitamin C"

assembly (*Vocational Technology*) A group of parts that make up one product; for example, a pencil, which is an assembly of wood, graphite, metal, rubber, glue, and paint

assessment (*Family & Consumer Science*) The process that involves observing, recording, and documenting children's individual capabilities, which is the basis for curriculum decisions

assets (*Business Education*) Property or items of value owned by a business

assonance (*English, 12th grade*) The repetition of vowel sounds in two or more nearby words

atelier (*Family & Consumer Science*) A designer's workshop

atom (*Chemistry*) The fundamental unit of which elements are composed

atomic bomb (*U.S. History*) A weapon of enormous power used by the U.S. on Japan to end World War II

attention getter (*English, 9th grade*) A device used in the introduction of a speech or an essay to engage the audience

audience (*English, 10th grade*) The person or group to whom the spoken or written word is addressed

audience analysis (*English, 10th grade*) A consideration of characteristics -- including the type, goals, demographics, beliefs, attitudes, and values of listeners or readers

auditory aspects of delivery (*English, 10th grade*) The characteristics of speech delivery relating to the voice

author's purpose (*Reading*) The intention of the author of a text and/or his point of view

authoritarian (*World History*) A government that has complete control over the lives of the citizens

H-F DICTIONARY OF ACADEMIC TERMS 08-09

authoritarian style (*Family & Consumer Science*) A parenting style based on the idea that children should obey their parents without question

auxiliary (*Vocational Technology*) Offering or providing help; functioning in a subsidiary capacity

average (*Physics*) An estimation of or approximation to an arithmetic mean

axis (*Vocational Technology*) A straight line about which a body or a geometric figure rotates or may be supposed to rotate; a straight line with respect to which a body or figure is symmetrical; a straight line that bisects at right angles a system of parallel chords of a curve and divides the curve into two symmetrical parts

back crawl (*Physical Education, 9th & 10th grade*) A competitive swimming stroke characterized by a crawling motion in the supine position along with a flutter kick

background knowledge (*Reading*) The prior knowledge and experience about a topic, text, or author that one brings to reading

balance (*Physical Education, 11th & 12th grade*) The ability to control or stabilize the body while standing or moving

balance (*Visual Art*) The equilibrium of various elements in a work of art of which there are three types: formal/symmetrical, informal/asymmetrical, and radial

base (*Chemistry*) A substance that produces hydroxide ions in aqueous solutions; a proton acceptor

basic speed law (*Driver Education*) Law stating that one may not drive faster than is safe and prudent for existing conditions, regardless of posted speed limits

battery (*Vocational Technology*) A chemical device that produces voltage from two dissimilar metals submerged in an electrolyte

behavior (*Family & Consumer Science*) A way of acting or responding

benign (*Health*) Non-cancerous

biceps (*Physical Education, 9th & 10th grade*) The large muscle in the front part of the upper arm

bibliography (*Library*) A list of the works of a specific author or publisher; or relating to a given subject: ex. *a bibliography of Latin American history*. Also, a list of writings used or considered by an author in preparing a particular work.

bi-conditional (*Pre-Calculus*) An "if and only if" statement

Bill of Rights (*U.S. History*) The first ten amendments to the U.S. Constitution that guarantee many liberties, including freedom of speech and freedom of the press

biotechnology (*Biology*) Technology applied to biology

birth defects (*Family & Consumer Science*), Problems with which babies are born that, although not always evident at birth, threaten the babies' health or ability to live

blank verse (*English, 9th grade*) Unrhymed verse consisting of five feet per line, each foot having one unstressed syllable and one stressed syllable

blood-alcohol concentration (BAC) (*Driver Education and Health*) Amount of alcohol in the blood expressed as a percentage of alcohol in the bloodstream

blue print (*Vocational Technology*) A reproduction of a drawing that has a bright background with white lines

body composition (*Physical Education, 11th & 12th grade*) The ratio of body fat to lean body tissue, including muscle, bone, water, and connective tissue

body mass index (*Physical Education, 11th & 12th grade*) A way to assess body size in relation to height and weight

bond (*Chemistry*) The force holding atoms together in a compound or molecule

bourgeoisie (*World History*) The middle class

braise (*Family & Consumer Science*) A method of cooking by browning a small amount of fat in a skillet, adding water, and covering

bran (*Family & Consumer Science*) The outer protective covering of a kernel of grain

breadth (*Visual Art*) The section of the AP portfolio that demonstrates a range of art experiences and accomplishments with a variety of art forms, concepts, and techniques

breaststroke (*Physical Education, 9th & 10th grade*) One of four competitive swimming strokes that also can be used as a resting stroke; characterized by simultaneous arm movement along with a whip kick, with all movement occurring under water

broil (*Family & Consumer Science*) To cook food directly above or under the heat source in an oven or on a grill

budget (*Business Education*) A plan of expected income and expenses over a certain period of time

bureaucracy (*World History*) A system of departments and agencies formed to carry out the work of government

business (*Business Education*) Any activity that seeks profit by providing goods or services to others

business plan (*Business Education*) A document that describes a new business, explaining to lenders and investors why the new business deserves financial support

business ethics (*Business Education*) The process of deciding what is the right or wrong action in a

H-F DICTIONARY OF ACADEMIC TERMS 08-09

reasoned and impartial manner; using the rules that govern how businesses and their employees should conduct themselves to maintain honesty, integrity, and fairness

cacophony (*English, 12th grade*) Harshness in the sound of words or phrases

calcium (*Family & Consumer Science*) A mineral that gives strength to bones and teeth and plays an important role in muscle contraction, blood clotting, and nerve function

calorie (*Family & Consumer Science*) The unit used to measure the energy value of foods

cam shaft (*Vocational Technology*) A device that controls the opening and closing of the valves

can-do (*STL*) Describes people who are creative, persistent, and extremely resourceful

cancer (*Health*) The uncontrollable growth of abnormal cells

capital (*Business Education*) The buildings, equipment, tools, and other goods needed to produce a product, or the money used to purchase these items

capitalism (*U.S. History*) An economic system characterized by private ownership of property and the free market

carbohydrate (*Family & Consumer Science*) One of the six basic types of nutrients that is the body's chief source of energy

carcinogen (*Health*) A cancer-causing substance

cardiorespiratory endurance (*Physical Education, 11th & 12th grade*) The ability of the body to work continuously for extended periods of time

cardiovascular disease (*Health & Physical Education, 11th & 12th grade*) A disease that affects the heart or blood vessels

casing (*Family & Consumer Science*) A closed tunnel of fabric that holds a piece of elastic or a drawstring

casting (*Vocational Technology*) A process in which an industrial material is made into a liquid, poured into a prepared mold, allowed to solidify, and removed from the mold

cation (*Chemistry*) A positive ion

cell (*Biology*) Smallest living organism

centralized v. decentralized (*World History*) Centralized government describes a government in which power is concentrated in a central authority to which the local governments are subject. Decentralized government describes a government in which power rests at the local level

cervix (*Family & Consumer Science*) The lower part of the uterus

cesarean birth (*Family & Consumer Science*) The delivery of a baby by making a surgical incision in the mother's abdomen

channel of distribution (*Business Education*) The path a product takes from its production or manufacturing to its final user or consumer

checks and balances (*U.S. History*) The sharing of powers among the three branches of government: the legislative, the executive, and the judicial

chemical digestion (*Biology*) Type of digestion that involves chemicals such as enzymes

chord (*Geometry*) For a given circle, a segment whose endpoints are points on the circle

chord (*Music*) Three or more pitches sounding simultaneously or functioning as if sounded simultaneously

chorionic villi sampling (*Family & Consumer Science*) A prenatal test for specific birth defects performed by sampling small amounts of the tissue in the membrane that encases the fetus

clarify (*Reading*) To make understandable by explanation

clue words (*Reading*) Transition words and phrases that telegraph text structures; also referred to as "signal words"

color scheme (*Family & Consumer Science*) A pleasing combination of colors based on their respective positions on the color wheel

circuit training (*Physical Education, 9th & 10th grade*) An approach to resistance training that involves rotating from one exercise to the next in a particular sequence

civil rights (*Business Education*) Personal, human rights guaranteed by the U. S. Constitution

Civil Rights Movement (*U.S. History*) The struggle to obtain equal rights for African-Americans, most especially associated with the 1950s and 1960s

Civil War (*U.S. History*) The bloody conflict between the North and South which lasted from 1861 to 1865 and ended with the abolition of slavery

clause (*English, 9th grade*) A group of words containing a subject and predicate that can function as a member of a simple, complex, or compound sentence

coefficient (*Algebra*) The numerical part of a term

coefficient (*Physics*) A number that serves as a measure of some property or characteristic

cognates (*World Languages*) Words in different languages that are similar in sound and spelling

coherence (*Physics*) Systematic or logical connection or consistency

cohesion (*English, 11th grade*) The sense of unity and interrelation among ideas in a piece of writing

Cold War (*U.S. History*) The struggle for influence around the world between the U.S. and its allies and the Soviet Union and its allies, roughly from 1945 to 1990

H-F DICTIONARY OF ACADEMIC TERMS 08-09

collinear points (*Geometry*) Points that lie on the same line

collision (*Driver Education*) Contact between two objects, or insurance coverage that provides payment for repairs to one's vehicle

collision (*Physics*) An encounter between particles resulting in exchange or transformation of energy

color (*Visual Art*) An element of art with three properties – hue or tint, intensity, and value – that is produced when various wavelengths of light hit an object and reflect back to the eyes

colostrum (*Family & Consumer Science*) The first milk produced by the mother's breast after childbirth that is easy to digest and rich in antibodies to protect the baby against disease

combinatorics (*Pre-Calculus*) The science of counting

comma splice (*English, 9th grade*) The improper usage of a comma to join two independent clauses

common difference (*Algebra 2/Trig*) The number d added to find the next term of an arithmetic sequence

communicable disease (*Health*) A disease that is spread either from one living thing to another or through the environment

communication (*English, 10th grade*) A continuous, irreversible transactive process involving the sender(s) and receiver(s) of messages who occupy different but overlapping environments

communism (*U.S. History*) A political and economic system which aims to eliminate private property for the purpose of equality and which, in practice, severely restricts individual rights

compare/contrast (*English, 9th grade*) The technique of analyzing similar and different elements of a subject

comparative advantage (*Economics*) The benefit of having one country specialize in the production of a good carrying the lowest opportunity cost relative to another country; the basis for international trade

competitive grid (*Business Education*) A way of organizing important information about a competition

complementary angles (*Geometry*) Two angles whose degree measures have a sum of 90 degrees

complex number (*Algebra 2/Trig*) Any number that can be written in the form $a + bi$, where a and b are real numbers and i is the imaginary unit

complex sentence (*English, 10th grade*) A sentence composed of one independent clause and one or more dependent clauses

complementary color (*Family & Consumer Science*) Two colors directly across from each other on the color wheel

components (*Physics*) Either member of an ordered pair of numbers

composition (*Visual Art*) A blend of elements and principles resulting in a certain layout of imagery on a two-dimensional surface or in a three-dimensional work

compound (*Chemistry*) A substance with constant composition that can be broken down into elements by chemical processes

compound sentence (*English, 9th grade*) A sentence composed of two or more independent clauses with no dependent clauses

comprehension (*Reading*) An understanding of what is read

compromise (*Business Law*) The act of each side in a dispute giving up something of value in order to help solve a problem

concave (*Physics*) Hallowed or rounded inward like the inside of a bowl

concentration quality (*Visual Art*) A body of related works based on an individual's interest in a particular idea that is expressed visually

conception (*Family & Consumer Science*) The union of an ovum and a sperm, resulting in the beginning of a pregnancy

concepts (*Family & Consumer Science*) General ideas or notions to be taught within a lesson

conclusion (*English, 9th grade*) The end of a story that provides insight into the resolution of the elements of the story

conditioning (*Vocational Technology*) A process that changes the internal or external properties of metal, giving the material strength, hardness, and rigidity

conductor (*Physics*) A material capable of transmitting another form of energy

conflict (*English, 9th grade*) A struggle between two opposing forces

congruent (*Geometry*) Having the same measure, size, and/or shape

conjecture (*Geometry*) An educated guess

conjugate (*World Languages*) To change an infinitive verb so that it agrees with a specific statement

connotation (*English, 9th grade*) The emotional associations of a term

conscience (*STL*) The inner voice that alerts one to right and wrong

conservative (*U.S. History*) One who believes in small government and keeping as much power as possible at the local level.

consonance (*English, 12th grade*) The repetition in two or more nearby words of similar consonant sounds preceded by different accented vowels

constants (*Algebra*) Monomials that are real numbers

H-F DICTIONARY OF ACADEMIC TERMS 08-09

context clue (*Reading*) A word or phrase in a text that give the reader clues about the meaning of nearby vocabulary: ESAGS: examples, synonyms, antonyms, or the general sense of the sentence

continuous form (*English, 12th grade*) Poetry that forms a continuous sequence of lines of the same length; also referred to as *stichic*

contrast (*Visual Art*) A principle of design that refers to a way of combining elements of art to stress the differences between those elements; for example, a dark painting with a contrasting bright color

convex (*Physics*) Curved or rounded, like the exterior of a sphere or circle

coolant (*Vocational Education*) A liquid mixture of antifreeze and water in the engine cooling system

cool-down (*Physical Education, 9th & 10th grade*) A series of activities to help the body recover after a workout

cooperative play (*Family & Consumer Science*) The situation in which children actually play with one another

coordinate (*Algebra*) The number that corresponds to a point on a number line

coordination (*Physical Education, 9th & 10th grade*) The ability to use the senses together with the body parts or to use two or more body parts together

core muscles (*Physical Education, 9th & 10th grade*) Muscles of the abdominals, hip flexors, and lower back.

core stability (*Physical Education, 11th & 12th grade*) The stretching and strengthening of muscles around the spine and pelvic muscles

corporation (*Business Education*) A business that is chartered, or registered, by a state and legally operates apart from its owner(s)

co-terminal angles (*Algebra 2/Trig*) Two angles in standard position having the same terminal side

counterbore (*Vocational Technology*) Enlarging a hole to a given depth and diameter

countersink (*Vocational Technology*) Chamfering a hole to receive a flat-head screw

couplet (*English, 9th grade*) Two consecutive lines of verse that usually rhyme, express a single idea, and have a set rhythm

couture (*Family & Consumer Science*) The designing, making, and selling of high-fashion clothing; the French word for "dressmaking"

craftsmanship (*Visual Art*) The quality of an individual work as defined by the creator's attention to detail, effort, and time

crank shaft (*Vocational Technology*) A device that turns the reciprocating power into rotating power

creativity (*Visual Art*) Having the ability or power to produce and create, characterized by originality, expressiveness, and imagination

credit (*Business Education*) An arrangement in which a business or individual can obtain products in exchange or a promise to pay later

crest (*Physics*) A high point of an action or process and especially of one that is rhythmic

critical thinking (*All Content Areas*) A self-directed, self-disciplined, self-monitored, and self-corrective process in which the thinker improves the quality of his or her thinking by skillfully taking charge of the structures inherent in thinking and imposing intellectual standards upon them

croquis (*Family & Consumer Science*) A preliminary fashion design sketch

crossroad (*STL*) A point when one must make an important life-changing decision

cross-training (*Physical Education, 11th & 12th grade*) Varying exercise or activity routine or type

cultural awareness (*World Languages*) Being knowledgeable of other people's way of life

cultural diffusion (*World History*) The spreading of ideas or products from one culture to another

cultural tolerance (*World Languages*) Acknowledging other people's right to have their own values and beliefs

culture (*Health*) The collective beliefs, customs, and behaviors of a group

curd (*Family & Consumer Science*) The solid portion of coagulated milk

current (*Physics*) Used as a medium of exchange

cut-in (*Family & Consumer Science*) The process of using a pastry blender to distribute fat evenly among a flour mixture

cylinder head (*Vocational Technology*) A metal section that covers the top of the engine block and allows for heat dispersion

darts (*Family & Consumer Science*) Triangular folds of fabric stitched to a point during the sewing of a garment

data (*Algebra*) Numerical information

database (*Library*) A collection of data arranged for ease and speed of search and retrieval. Also called *data bank*

Declaration of Independence (*U.S. History*) The document in which the thirteen colonies declared their independence from England

deductive logic (*English, 9th grade*) Drawing specific conclusions based on universally accepted premises

H-F DICTIONARY OF ACADEMIC TERMS 08-09

- deductive reasoning** (*Geometry*) A system of reasoning used to reach conclusions that must be true whenever the assumptions on which the reasoning are based are true
- deficit v. debt** (*Economics*) Deficit spending occurs when spending exceeds revenues collected for a period of time, such as a year. Debt is the accumulation of all the deficits, or the total amount borrowed.
- dehydration** (*Physical Education, 9th & 10th grade*) Lacking the necessary amount of body fluid
- deltoid muscle** (*Physical Education, 9th & 10th grade*) Muscle of the shoulder by which the arm is raised
- demand** (*Economics*) The amount a buyer is willing and able to purchase at given prices
- democracy** (*World History*) A government controlled by its citizens, either directly or through representatives
- democratic style** (*Family & Consumer Science*) A parenting style in which parents allow children some input into rules and limits put on their behavior
- demographic** (*Business Education*) Specific information about people – such as age, gender, and income – that is used to define a target market
- denotation** (*English, 9th grade*) The objective meaning of a term
- deoxyribonucleic acid DNA** (*Biology*) Genetic information from an organism
- determinant** (*Algebra 2/Trig*) A square array of numbers or expressions enclosed between two parallel vertical bars
- detraining** (*Physical Education, 11th & 12th grade*) The loss of functional fitness that occurs when one stops fitness conditioning
- development** (*Family & Consumer Science*) Increase in physical, emotional, social, and intellectual skills
- development** (*English, 9th grade*) Elaboration of a theme in a written or spoken work
- developmentally age appropriate** (*Family & Consumer Science*) Tasks suitable for a child given his/her age, interests, and individual needs
- dialect** (*English, 12th grade*) A regional variety of a language distinguished by features of vocabulary, grammar, and punctuation
- dialogue box** (*Business Education*) A window that appears on a computer screen, presenting information or requesting input
- diameter** (*Vocational Technology*) The distance across a circle through its center point
- diction** (*English, 9th grade*) Choice of words, especially with regard to correctness, clarity, and/or effectiveness
- differential** (*Driver Education*) Arrangement of gears at the rear of the vehicle allowing one wheel to revolve faster than the opposite wheel during turns
- differential equation** (*Pre-Calculus*) An equation involving functions and their derivatives
- diffraction** (*Physics*) A modification which light undergoes in passing by the edges of opaque bodies or through narrow slits
- diffusion** (*Biology*) Movement of a substance from high to low concentration
- dimensioning** (*Vocational Technology*) Size and location description of an object
- directed guidance** (*Family & Consumer Science*) Learning that results from being taught
- discrete set** (*Pre-Calculus*) A set that can be put into 1-1 correspondence with a subset of the set of integers
- discriminant** (*Algebra 2/Trig*) In a quadratic equation, the number $b^2 - 4ac$, which is used to tell the number of real solutions to the quadratic equation
- displacement** (*Physics*) The volume or weight of a fluid (such as water) displaced by a floating body (such as a ship) of equal weight
- distributor** (*Vocational Technology*) Electromechanical unit used to help create and distribute the high voltage necessary for spark ignition
- divergent** (*Pre-Calculus*) An infinite series whose sequence of partial sums does not have a finite limit
- documentation** (*English, 10th grade*) In academic writing, a formal procedure for giving credit to sources of information
- domain** (*Algebra*) The set of all first coordinates from the ordered pairs of a relation; in Algebra 2, the set of "input" values for which a function is defined
- dominant** (*Family & Consumer Science*) The gene that dictates the way a trait is expressed
- doormat** (*STL*) A person who lets his friends take advantage of him
- dramatic irony** (*English, 10th grade*) Situations in which the audience knows something the characters do not know
- drawing a conclusion** (*Reading*) Creating meaning from various bits of information in a text and the reader's personal knowledge; "adding it up"
- drilling** (*Vocational Technology*) Cutting or enlarging a hole by use of a cutting tool sharpened on its point
- drug-free school zone** (*Health*) An area within 1,000 feet of a school, designated by signs, within which people caught selling drugs receive especially severe penalties
- drugs** (*Health*) Substances other than food that change the structure or function of the body or mind

H-F DICTIONARY OF ACADEMIC TERMS 08-09

due process (*Business Education*) Decision making; notice of charges or potential rule making coupled with opportunity for the accused to appear in defense, present evidence, and confront witnesses if warranted

dynamics (*Music*) Musical expression achieved through manipulation of either how loudly or how softly music is played or sung

economic system (*Economics*) An organized way of providing for the needs and wants of citizens that determines what, how, and for whom to produce.

economics (*Business Education*) The study of decisions or choices that go into making, distributing, and consuming products

elaboration (*English, 9th grade*) The explanation of how evidence presented proves a thesis statement

elastic (*Physics*) Capable of recovering size and shape after deformation

electron (*Chemistry*) A negatively charged particle that occupies the space around the nucleus of an atom

element (*Chemistry*) A substance that cannot be decomposed into simpler substances by chemical or physical means

elementary backstroke ;(*Physical Education, 9th & 10th grade*) A resting swimming stroke done on one's back, with simultaneous arm movement and whip kick done underwater

elements of thought (*All Content Areas*) The structures inherent in thinking which include the purpose of thinking, the question at issue, pertinent information, related concepts, assumptions, interpretation and inference, points of view, and implications and consequences; universal intellectual standards are applied to these structures.

elevation (*Vocational Technology*) In architectural drafting, a drawing of a facade of a structure; similar to the front and side views in other types of drafting

embryo (*Family & Consumer Science*) The developing baby from about the third to the eighth week of pregnancy

emphasis (*Visual Art*) The area of importance or strength in a work of art to which one's eye is immediately drawn

emotional development (*Family & Consumer Science*) The process of learning to recognize and express one's feelings and to establish one's identity as a unique person

emulsion (*Family & Consumer Science*) A mixture that forms when oil and liquid are combined

endosperm (*Family & Consumer Science*) The largest part of a kernel or grain containing most of the starch and protein of the kernel but few minerals and little fiber

entertainment (*Business Education*) Whatever activity people are willing to spend their money and spare time on

entrepreneur (*Business Education*) A person who recognizes a business opportunity and assumes the risk of starting a business

environment (nurture) (*Family & Consumer Science*) The people, places, and things that surround us and influence our overall development

episiotomy (*Family & Consumer Science*) The surgical cut made during delivery to widen the vaginal opening

equation (*Algebra*) A mathematical statement, containing an equals sign (=); that two things are exactly the same

equilibrium (*Chemistry*) The value obtained when equilibrium concentrations of the chemical species are substituted into the equilibrium expression.

equilibrium (*Economics*) The price and quantity at which the quantity supplied is equal to the quantity demanded

equilibrium (*Physics*) A state of balance

Erikson, Erik (*Family & Consumer Science*) A theorist who believed that personality develops through stages where each stage includes a unique psychological crisis

essential discontinuity (*Pre-Calculus*) A discontinuity that cannot be removed by insertion of a single point

ethos (*English, 11th grade*) Appealing to an audience through the credibility of the speaker in a literary work

etymology (*Reading*) The origin of a word or of a word's affixes

eukaryote (*Biology*) Organism whose DNA is in a nucleus (animal, plant, fungus, amoeba)

euphony (*English, 12th grade*) A harmonious succession of words having a pleasing sound

euphoria (*Driver Education*) False sense of well-being developed as a result of alcohol or drug consumption

evaluate (*Algebra*) To find the value of an expression when the values of the variables are known

evaluation (*Reading*) Making an informed judgment

even function (*Pre-Calculus*) A function such that $f(-x) = f(x)$

evidence/support (*English, 9th grade*) Direct quotations, paraphrases, or summaries from a text to prove a topic sentence or thesis

example (*Family & Consumer Science*) To model certain behaviors

exchange rate (*Economics*) The rate at which a person can trade currency of one country for the currency of another country. Example: \$1.00 = 1.14 Canadian dollars OR \$.87 = 1.00 Canadian dollar

exercise (*Physical Education, all grades*) Physical activity that is planned, structured, repetitive, and

H-F DICTIONARY OF ACADEMIC TERMS 08-09

done especially for the purpose of becoming physically fit

exercise prescription (*Physical Education, 11th & 12th grade*) A breakdown of a fitness program based on the frequency, intensity, time, and type of physical activity of exercise

exigence (*English, 12th grade*) An author's motivation for writing or speaking

exponential equation (*Algebra 2/Trig*) An equation in which variables occur in exponents

exposition (*English, 9th grade*) Details that provide information about a narrative's plot, characters, or setting

expository essay (*English, 9th grade*) A type of writing that explains a particular subject

extemporaneous speech (*English, 10th grade*) A speech that is planned in advance but is presented in a direct, conversational manner

extension (*Physical Education, 9th & 10th grade*) The lengthening of a muscle

extraneous solutions (*Algebra 2/Trig*) Solutions that do not satisfy the original equation

factor (*Algebra*) An integer that divides a number evenly without leaving a remainder

factors of production (*Business Education*) The resources that businesses use to produce goods and services that people want

fad (*Family & Consumer Science*) A fashion that is very popular for a short time

fairytale (*Family & Consumer Science*) Children's stories that contain the theme of achievement and are peopled with characters that perform difficult tasks in order to succeed

family life books (*Family & Consumer Science*) Children's books that contain the theme of social understanding

farce (*English, 12th grade*) A type of exaggerated comedy that features an absurd plot, ridiculous situations, and humorous dialogue

fashion (*Family & Consumer Science*) A style that is popular at a given time

fat (*Family & Consumer Science*) One of six basic types of nutrients that is an important energy source

federalism (*U.S. History*) The division of power between the national government and the state governments

feed (*Vocational Technology*) The movement that brings new material in contact with the cutting element

fertilization (*Health*) Union of a male sperm cell and a female egg

fetal alcohol syndrome (FAS) (*Health*) A group of alcohol-related birth defects that includes both physical and mental problems

fetus (*Family & Consumer Science*) The developing baby from the eighth or ninth week of pregnancy until birth

field (*Physics*) An area or division of an activity

figurative language (*English, 9th grade*) Language not intended to be taken literally

financial responsibility law (*Driver Education*) Law that requires proof of an individual's ability to pay for collision damages that result in death, injury, or property damage

finger plays (*Family & Consumer Science*) Songs or chants with accompanying hand motions

finishing (*Vocational Technology*) A process used to improve the outward appearance or protect the exterior surface; for example, painting, varnishing, and nitrating

finite sequence (*Pre-Calculus*) A function whose domain is the set of integers from an *integer m* to an *integer n*

first person point of view (*English, 9th grade*) The perspective of the narrator who relates the story from his outlook

fiscal policy (*Economics*) Changes in the level of taxes and/or government spending (carried out by the President or Congress) designed to maintain economic growth without causing severe inflation

FITT formula (*Physical Education, 9th & 10th grade*) The formula for which each letter represents a factor important for determining the correct amount of physical activity

flashback (*English, 9th grade*) A break in a story's sequential flow of events to introduce earlier events

flexibility (*Physical Education, 11th & 12th grade*) A joint's ability to move through its full range of motion

flexion (*Physical Education, 9th & 10th grade*) The contracting of a muscle

flexor (*Physical Education, 9th & 10th grade*) A muscle that when contracted bends a joint in the body

floor plan (*Family & Consumer Science*) A simplified drawing that shows the size and arrangement of rooms, hallways, doors, windows, and storage areas on a floor of a house

flywheel (*Vocational Technology*) A device that creates inertia

focus (*Music*) The ability to concentrate on the material at hand in a rehearsal

fold (*Family & Consumer Science*) The process of using a rubber spatula to incorporate delicate ingredients into a mixture

H-F DICTIONARY OF ACADEMIC TERMS 08-09

follic acid (*Family & Consumer Science*) One of the B vitamins that is a key factor in the making of DNA and RNA

fontanel (*Family & Consumer Science*) Open spaces in a baby's head where the bones have not yet joined; also known as "soft spots"

food guide pyramid (*Family & Consumer Science*) A visual representation of an eating plan designed to help people choose nutritious diets

force (*Physics*) Strength or energy brought to bear

foreshadowing (*English, 9th grade*) A literary device in which the author hints of something to follow

form (*Music*) The large-scale outline of how a piece is constructed, taking into account melodic, harmonic, and tonal development

forming (*Vocational Technology*) Processes that are used to change the size and/or shape with no loss of weight or volume; for example, casting iron into shapes or creating clay pots

foundation (*Vocational Technology*) The supporting portion of a structure below the first-floor construction, or below grade, including the footings

fragment (*English, 9th grade*) A group of words that does not express a complete thought and cannot stand alone as a sentence

frame narrative (*English, 12th grade*) The telling of a story within a narrative setting – or frame – hence creating a new story

free verse (*English, 12th grade*) Poetry that does not have a regular meter or rhyme scheme

frequency (*Physical Education, 9th & 10th grade*) How often physical activity is done

frequency (*Physics*) The number of complete oscillations per second of energy in the form of waves

friction (*Physics*) The force that resists relative motion between two bodies in contact

fringe vision (*Driver Education*) The part of one's peripheral vision that is closest to central vision and assists with monitoring zone changes

front crawl (*Physical Education, 9th & 10th grade*) The fastest of all swimming strokes and the one preferred for fitness swimming activities; characterized by a crawling motion of the arms and a flutter kick

frostbite (*Physical Education, 11th & 12th grade*) Damage to body tissue as a result of freezing

function (*Algebra*) A relationship between input and output in which the output depends on the input and the input has a distinct output

gap (*Driver Education*) The distance between vehicles

Gardner, Howard (*Family & Consumer Science*) The theorist who identified eight multiple intelligences that people use to learn in various ways

gender (*World Languages*) A property of nouns, adjectives, and articles (masculine or feminine)

genre (*Reading*) A type of text; examples include realistic fiction, historical fiction, informational nonfiction, and biography

generator (*Physics*) A mathematical entity that when subjected to one or more operations yields another mathematical entity or its elements

genocide (*World History*) The systematic killing of an entire people

geometric sequence (*Algebra 2/Trig*) A sequence in which each term after the first is found by multiplying the previous term by a constant called the common ratio, r

germ (*Family & Consumer Science*) The reproductive part of a kernel of grain that is rich in vitamins, protein, and fat

globalization (*Economics*) The current economic trend of applying rules of free trade on a worldwide scale. This has resulted in the increase of economic interdependence among nations, flow of resources and money, outsourcing of jobs, and differences in standards of living among nations

gluteal muscle (*Physical Education, 9th & 10th grade*) One of the muscles of the buttocks

gluten (*Family & Consumer Science*) A protein substance that gives strength and elasticity to batters and doughs

goal setting (*STL*) Deciding when and how to achieve a particular desire or accomplishment

grade (*Vocational Technology*) The surface of the ground around a building

graduated driver licensing program (*Driver Education*) Program requiring young drivers to progress through a series of licensing stages with various restrictions

grain (*Family & Consumer Science*) The direction that yarns run in woven fabric

grasping reflex (*Family & Consumer Science*) The automatic response of a newborn's hand to close over anything that comes in contact with the palm

gravitation (*Physics*) A force manifested by acceleration toward each other of two free material particles or bodies or of radian energy quanta

Great Depression (*U.S. History*) The global economic disaster which lasted from 1929 until World War II

greatest common factor (GCF) (*Algebra*) The greatest number that is a factor of both of the integers being compared

grinding (*Vocational Technology*) An operation that removes material by rotating an abrasive wheel or belt against the work

H-F DICTIONARY OF ACADEMIC TERMS 08-09

gross domestic product (GDP) (*Economics; Business Education*) The dollar value of all final goods, services, and structures within a country's borders in a 12-month period

group dynamics (*Business Education*) The interacting forces with a human group

guidance (*Family & Consumer Science*) Using firmness and understanding in the process of helping children learn to control their own behavior

habit (*STL*) A behavior that one repeatedly engages in

hamstring muscle (*Physical Education, 9th & 10th grade*) Muscle located on the back of the thigh

harmonic (*Physics*) Of an integrated nature

harmonic (*Music*) Referring to any particular collection of pitches sounded simultaneously

harmony (*Music*) The relationship of tones considered as they sound simultaneously, and the way they are organized in time

haute couture (*Family & Consumer Science*) The dressmaking industry that creates the most fashionable, expensive, and exclusive designer clothing

health (*Health*) The combination of physical, mental/emotional, and social well-being

health-related fitness (*Physical Education, 11th & 12th grade*) The ability to become and stay physically healthy

heart rate (*Physical Education, 9th & 10th grade*) The number of times the heart beats per minute

heat (*Physics*) To become warm or hot

heat exhaustion (*Physical Education, 11th & 12th grade*) An overheating of the body resulting in cold, clammy skin and symptoms of shock

heatstroke (*Physical Education, 11th & 12th grade*) A condition in which the body can no longer rid itself of excessive heat through perspiration

hereditary rule (*World History*) A form of government in which power passes from parent to son/daughter

heredity (*Biology*) Something inherited

heredity (*Physical Education, 9th & 10th grade*) Characteristics that are passed from parents to their offspring

heredity (nature) (*Family & Consumer Science*) The passing on of certain characteristics from earlier generations

heterogeneous mixture (*Chemistry*) A mixture that has different properties in different regions of the mixture

history (*World History*) The study of the past through the examination of written records

Holocaust (*U.S. History*) A genocide especially aimed at Jews which killed twelve million people during World War II

homepage (*Library*) The opening or main page of a website, intended chiefly to greet visitors and provide information about the site or its owner.

homogenous mixture (*Chemistry*) A mixture that is the same throughout; a solution

horizontal asymptote (*Pre-Calculus*) A horizontal line to which the graph of a function gets closer and closer as x gets closer to positive and negative infinity

hormones (*Health*) Chemical substances that are produced in glands and help regulate many of the body's functions

hue (*Family & Consumer Science*) The name and characteristic of a color that makes it unique

human capital (*Economics*) The sum total of a person's skills and abilities

hydroplaning (*Driver Education*) Loss of contact between tire and road surface caused by driving through water at high speeds

hyperbole (*English, 9th grade*) A figure of speech in which truth is exaggerated for emphasis or humorous effect

hypertension (*Health*) High blood pressure

hypotenuse (*Geometry*) In a right triangle, the side opposite the right angle

hypothermia (*Physical Education, 11th & 12th grade*) A condition in which the body temperature drops below normal

iambic pentameter (*English 9th grade*) Rhymed or unrhymed verse consisting of five feet per line, each foot having one unstressed syllable and one stressed syllable

icon (*Business Education*) A graphic picture that represents a computer command, program, or data file that, when double-clicked leads to the linked destination

idealism v. realism (*U.S. History*) Idealism is a foreign policy that emphasizes the role the U.S. should play in the spread of democracy. Realism is a foreign policy that emphasizes that the U.S., like all countries, must look after its own interests first.

ignition (*Vocational Technology*) Creates a high voltage spark to ignite the air fuel mixture inside the chamber

imagery (*English, 9th grade*) The use of vivid descriptions that appeal to the five senses

imagination (*STL*) The thought process that allows one to escape present circumstances and envision new possibilities

immune system (*Health*) A network of cells, tissues, organs, and chemicals that fights pathogens

H-F DICTIONARY OF ACADEMIC TERMS 08-09

imperialism/empire (*World History*) Imperialism is a policy in which a strong country seeks to dominate other countries politically, economically, or socially. An empire is the political unit that results from a policy of imperialism.

Implied consent law (*Driver Education*) A law stating that anyone who receives a driver's license automatically consents to being tested for blood-alcohol content and other drugs if stopped for suspicion of drug use while driving

impulse (*Physics*) A force so communicated as to produce motion suddenly

inclined (*Vocational Technology*) To deviate from a line, direction, or course; specifically, to deviate from the vertical or horizontal

income (*Business Education*) The amount of money a person earns during a given period of time

incubator (*Family & Consumer Science*) A special enclosed crib used for premature babies in which the oxygen supply, temperature, and humidity can be closely controlled

Indian removal (*U.S. History*) The policy of moving Indians beyond areas of white settlement and, ultimately, onto reservations

indigenous culture (*World Languages*) Referring to a people who inhabited a place before colonization

indirect guidance (*Family & Consumer Science*) Learning that results either from a pre-planned environment or incidental occurrence

inductive logic (*English, 10th grade*) Creating general statements of truth based on specific examples

inductive reasoning (*Geometry*) Reasoning that uses a number of specific examples to arrive at a plausible generalization or prediction

industrial (*Vocational Technology*) Use of machines to manufacture large quantities of products or materials

industrialization (*World History*) The development of the production of goods by machines

inelastic (*Physics*) Slow to react or respond to changing conditions

inertia (*Physics*) A property of matter by which it remains at rest or in uniform motion in the same straight line unless acted upon by some external force

infant (*Family & Consumer Science*) A baby in the first year of life

inference (*Reading*) To make a reasonable guess about meaning based on text evidence and the reader's personal knowledge; "reading between the lines"

infertility (*Family & Consumer Science*) The inability to become pregnant

infinitive verb (*World Languages*) "To" + verb; for example: to help

inflation (*Economics*) A decrease of the purchasing power of money within the economy; a decrease of the purchasing power or value of currency can also mean higher prices.

infrastructure (*World History*) The fundamental facilities and systems serving an area

insulator (*Physics*) A material that is a poor conductor of electricity or heat

integers (*Algebra*) The set of numbers represented as {..., -3, -2, -1, 0, 1, 2, ...}

intellectual development (*Family & Consumer Science*) The process of learning, reasoning, and gaining the capacity for knowledge and understanding

intellectual standards (*All Content Areas*) Universal criteria which must be applied to thinking whenever one is interested in checking the quality of reasoning about a problem, issue, or situation. To think critically, one must have a command of clarity, accuracy, precision, relevance, depth, breadth, logic, significance, and fairness of thinking.

intensity (*Family & Consumer Science*) The brightness or dullness of a color

intensity (*Physical Education, 9th & 10th grade*) How hard a person performs physical activity

interest rates (*Economics*) The cost of borrowing money

interference (*Physics*) The mutual effect on the meeting of two wave trains that constitutes alternating areas of increased and decreased amplitude

Internet (*Library*) An interconnected system of networks that connects computers around the world via the TCP/IP protocol

internship (*Business Education*) A school program providing paid or unpaid work experience for a specified period to learn about a job or an industry

interpretation (*Family & Consumer Science*) To find meaning in, explain, or make sense of objective/factual observations

interrogative words (*World Languages*) Word used to make questions, such as *who, what, when, where, why, and how*

interval (*Music*) The distance in pitch between two notes, usually expressed in terms of half steps and whole steps

interval training (*Physical Education, 11th & 12th grade*) A program in which high intensity physical activities alternate with low intensity recovery bouts for several minutes at a time

interview (*Business Education*) A planned meeting between a job applicant and an employer

in-text citation (*English, 10th grade*) The documentation of source material by indicating key information in parentheses after the material is presented in a research paper

H-F DICTIONARY OF ACADEMIC TERMS 08-09

intonation (*Music*) The degree to which pitch is accurately produced in a performance, especially among players/singers in an ensemble

introduction (*English, 9th grade*) The opening section of a composition which establishes a purpose and draws the reader into the text

investment (*Business Education*) The amount of money one puts into a business as capital

in vitro fertilization (*Family & Consumer Science*) The process by which a doctor combines a mature egg and a sperm in a small dish; if fertilization occurs, the doctor places the zygote in the woman's uterus.

ion (*Chemistry*) An atom or molecule that has gained or lost one or more electrons

IPDE Process (*Driver Education*) Organized process of seeing, thinking, and responding that includes the steps of identifying, predicting, deciding, and executing

iron (*Family & Consumer Science*) A mineral that plays a role in supplying oxygen to the blood

irony of situation (*English, 10th grade*) A situation in which there is a great difference between the purpose of a particular action and the result

irrational number (*Algebra 2/Trig*) Real numbers that cannot be written as terminating or repeating decimals

isosceles triangle (*Geometry*) A triangle with at least two sides congruent

iterate (*Pre-Calculus*) To repeat over and over

job evaluation (*Business Education*) A written review of an employee's work performance by his or her supervisor

jargon (*English, 12th grade*) Vocabulary specific to a select group of individuals

jaundice (*Family & Consumer Science*) Yellow coloring on the skin and the whites of the eyes of some newborns caused by the blood having too much of a certain naturally occurring chemical

joint (*Physical Education, 9th & 10th grade*) A place in the body where bones come together

joist (*Vocational Technology*) A horizontal structural member that supports the floor or ceiling system

keyword (*Library*) A word used as a reference point for finding other words or information.

kinetic (*Physics*) Of or relating to the motion of material bodies and the forces and energy associated therewith

knead (*Family & Consumer Science*) To work dough by hand or mixer in order to distribute ingredients and develop gluten

landing (*Vocational Technology*) A platform between flights of stairs or at the termination of a flight of stairs

lanugo (*Family & Consumer Science*) The fine, downy hair of a newborn baby

large motor skills (*Family & Consumer Science*) An ability that depends on the use and control of the large muscles of the back, legs, shoulders, and arms

laser (*Physics*) A device that utilizes the natural oscillations of atoms or molecules between energy levels for generating radiation

latissimus muscle (*Physical Education, 9th & 10th grade*) Large muscle attached to the back and arm

lay out (*Vocational Technology*) To locate and scribe points for machining and forming operations

leader (*Vocational Technology*) A thin line with a horizontal dash at one end and an arrow at the other that is drawn from a note or dimension to the place where it applies

leadership (*Business Education*) The capacity to direct a group

leading coefficient (*Algebra 2/Trig*) The coefficient of the term with the highest degree

leavening agent (*Family & Consumer Science*) An ingredient that causes dough or batter to rise by lightening the texture and increasing the volume; common leavening agents include eggs, egg whites, baking power, baking soda, and yeast.

left wing v. right wing (*World History*) The left refers to liberals in a society or those who favor extensive reform. The right refers to conservatives in a society or those who oppose extensive reform.

leisure-time activities (*Physical Education, 9th & 10th grade*) Sports and other action-oriented pursuits done for recreation

lens (*Physics*) A piece of glass that has two opposite regular surfaces, either both curved or one curved and the other plane

liabilities (*Business Education*) Amounts owed to creditors; the claims of creditors to assets of a business

liberal (*U.S. History*) One who strongly supports individual liberties and believes in government involvement in the economy.

ligament (*Physical Education, 9th & 10th grade*) A band of strong tissue that connects bones

lightening (*Family & Consumer Science*) The term describing the ninth month of pregnancy when the baby has dropped into the birth canal to prepare for birth

limited omniscient point of view (*English, 9th grade*) The reader and writer observe the situation from the outside through the senses and thoughts of a single character.

limited partners (*Business Education*) Partners whose liability is limited to their investment

H-F DICTIONARY OF ACADEMIC TERMS 08-09

line (*Visual Art*) The path of a moving point; examples include horizontal, vertical, curved, and spiral

line (*Vocational Technology*) A straight or curved path between two points

linear equation (*Algebra*) An equation whose graph is a line

listening (*English 9th grade*) Paying close attention to, and making sense of, what one hears

logical fallacy (*English, 10th grade*) An error in reasoning or logic

logos (*English, 10th grade*) Appealing to an audience's sense of logic

longitudinal (*Physics*) Placed or running lengthwise

lyric (*English, 9th grade*) A short, non-narrative poem that has a solitary speaker and usually expresses a particular mood, feeling, or thought

magnetic (*Physics*) Possessing an extraordinary power of ability to attract

main idea (*Reading*) The central message or meaning of a text

malignant (*Health*) Cancerous

manufacturing (*Vocational Technology*) The process of changing raw materials into more useful, finished products

manuscript writing (*Family & Consumer Science*) Writing made with simple, separate strokes that does not require the sustained muscle control involved with cursive writing

market economy v. command economy (*World History*) A market economy is one which allows the law of supply and demand to determine prices, wages and production. A command economy is one in which the government determines prices, wages, and production.

marketing (*Business Education*) The process of creating, promoting, and presenting a product to meet the wants and needs of consumers, creating a satisfying exchange relationship

marketing mix (*Business Education*) The 4 P's of marketing – product, pricing, promotion, and placement – that can be used by a company to reach a target market, influencing consumers to purchase goods or services

markets (*Economics*) Mechanism that allows buyers and sellers of an economic product to come together

mass (*Chemistry*) The quantity of matter in an object

mass (*Physics*) A quantity of matter usually of considerable size

matrix (*Algebra 2/Trig*) A rectangular array of variables or constants in horizontal rows and vertical columns, usually enclosed in brackets

matter (*Chemistry*) The material of the universe

measurement (*Vocational Technology*) The process of describing a part's size using a standard for comparison, which allows the part to be duplicated from only the measurements

mechanical (*Physics*) Relating to the quantitative relations of force and matter

mechanical digestion (*Biology*) Type of digestion involving physical tearing apart of food (chewing)

media (*Health*) The various methods of communicating information

medical screening (*Physical Education, 11th & 12th grade*) A basic assessment of a person's overall health and personal fitness

medium (*Physics*) A substance regarded as the means of transmission of a force or effect

melody (*Music*) The line in a piece's instrumentation that carries the most importance

mental/emotional health (*Health*) The ability to accept oneself and others, to adapt to and manage emotions, and to deal with the demands and challenges of life

menu bar (*Business Education*) A permanently displayed menu spread horizontally across the top of the computer screen or window that, when the mouse is passed over an item, displays a pull-down/drop-down menu

metacognition (*Reading*) The act of thinking about one's thinking

metaphor (*English, 9th grade*) A comparison between two unlike things that does not use "like" or "as"

metastasis (*Health*) Spread of cancer from the point where it originated to other parts of the body

meter (*English, 9th grade*) The rhythmic pattern of a poem; the arrangement of accented and unaccented syllables

meter (*Music*) The pattern in which a steady succession of rhythmic pulses is organized; termed as "time"

micrometer (*Vocational Technology*) A precision tool capable of measuring to 0.001" (0.01mm)

milia (*Family & Consumer Science*) Tiny, white bumps created by plugged oil ducts that are scattered over the nose and cheeks of newborns; also known as "baby acne"

militarism (*World History*) A policy of glorifying military power and keeping a standing army always prepared for war

milling (*Vocational Technology*) Removing metal with a rotating cutter on a milling machine

miscarriage (*Family & Consumer Science*) The unexpected death of a developing baby before twenty weeks of pregnancy

mitosis (*Biology*) Asexual reproduction of a cell

H-F DICTIONARY OF ACADEMIC TERMS 08-09

mixture (*Chemistry*) A material of variable composition that contains two or more substances

mole (*Chemistry*) The number equal to the number of carbon atoms in exactly 12 grams of pure ^{12}C ; Avogadro's number

molecule (*Chemistry*) A bonded collection of two or more atoms of the same element or different elements

momentum (*Physics*) Strength or force gained by motion

monarchy (*World History*) A government at the head of which is a single, hereditary ruler

monetary policy (*Economics*) Changes in interest rates brought about by the change of the money supply by the Federal Reserve; the purpose is to promote steady economic growth without causing severe inflation.

monotheism v. polytheism (*World History*) Monotheism is the belief in one god. Polytheism is the belief in many gods.

Montessori, Maria (*Family & Consumer Science*) Preschools around the world are named for this doctor who developed special learning materials and ideas for children aged three to five.

mood (*English, 9th grade*) A feeling created in the reader by a literary work

mortgage (*Economics*) Loans, usually long-term, to households or businesses to purchase buildings or land; the underlying asset – the building or land – serves as collateral for the loan.

motif (*English, 11th grade*) A reoccurring word, phrase, image, idea, object, or action in a literary work

motive (*Music*) A characteristic and predominant musical idea, statement, subject, or theme

movement (*Visual Art*) The flow or sense of motion in a artwork that leads the eye across a single plane or between planes in space

multi-sized (*Family & Consumer Science*) The printing of several sizes on the same pattern tissue

muscle cramps (*Physical Education 9th & 10th grade*) A spasm or sudden tightening of a muscle

muscle fibers (*Physical Education, 9th & 10th grade*) Muscle cells, which are long, thin, and cylinder-shaped

muscular endurance (*Physical Education, 11th & 12th grade*) The ability of the same muscle or muscle group to contract for an extended period of time without undue fatigue

muscular strength (*Physical Education, 11th & 12th grade*) The maximum amount of force a muscle or muscle group can exert against an opposing force

nap (*Family & Consumer Science*) The soft, fuzzy surface of fabric that is created by raised, short fiber ends

narrative (*English, 9th grade*) The recounting of a succession of events; includes fictional stories and historical and biographical nonfiction

narrator (*English, 9th grade*) The character telling the story in a narrative work

nationalism (*World History*) The belief that people should be loyal to their nation – the people with whom they share a culture or history – rather than to a ruler or empire

natural selection (*Biology*) Darwin's theory that organisms with favorable traits for their environment are more likely to survive and produce viable offspring

neutron (*Chemistry*) A particle in the atomic nucleus with a mass approximately equal to that of the proton but with no charge

New Deal (*U.S. History*) The set of policies proposed by Franklin D. Roosevelt that greatly expanded the government's role in the economy

niacin (*Family & Consumer Science*) One of the B vitamins known as B3 that is especially important for digestion, appetite, and tissue and nerve cell function

nicotine (*Health*) The addictive drug found in tobacco leaves

node (*Physics*) The surface of a vibrating body or system that is free or relatively free from vibrating motion

nomads (*World History*) People who wander from place to place in search of food and water

non-communicable disease (*Health*) A disease that is not transmitted by another person, a vector, or from the environment

notions (*Family & Consumer Science*) Small items that become permanent parts of a garments, such as thread and seam tape.

number (*World Languages*) A property of nouns, adjectives, and articles (singular or plural) Example: book/books

nutrient (*Family & Consumer Science*) A chemical substance in food that helps maintain the body

nystagmus (*Driver Education*) Involuntary jerking of the eyes as a person gazes to the side

obesity (*Physical Education, 9th & 10th grade*) Having a very high percentage of body fat: higher than 30% over ideal body fat for men and 40% over ideal body fat for women.

object permanence (*Family & Consumer Science*) The idea that objects continue to exist even when they are out of sight

objectives (*Family & Consumer Science*) The expected outcomes of an activity, which include the conditions of the performance, the behavior itself, and the level of performance

observation (*Family & Consumer Science*) The process of better understanding children's

H-F DICTIONARY OF ACADEMIC TERMS 08-09

development; learning about individual children, identifying special needs of children, and giving/getting important feedback about one's approach

obstetrician (*Family & Consumer Science*) A doctor who specializes in pregnancy and childbirth

obtuse angle (*Geometry*) An angle with degree measure greater than 90 and less than 180

odd function (*Pre-Calculus*) A function such that $f(-x) = -f(x)$

odds (*Algebra*) The ratio of the number of ways the event can occur (success) to number of ways the event cannot occur (failures)

oil pump (*Vocational Technology*) Circulates oil throughout an engine

omniscient point of view (*English, 9th grade*) The perspective of a narrator who knows everything about all the characters in a story

one-to-one function (*Pre-Calculus*) A function g such that $g(x) = g(y)$ implies $x=y$

online catalog [online public access catalog] (*Library*) A list or itemized display of titles found in a library collection and accessed via a webpage.

onomatopoeia (*English, 11th grade*) The use of words to imitate actual sounds, such as "buzz"

opportunity cost (*Economics*) The next best option that is given up relative to the use of money, time or other resources

ordered pair (*Algebra*) Pairs of numbers used to locate points in the coordinate plane

organelle (*Biology*) "Organ" within a cell

organic chemistry (*Chemistry*) The study of carbon-containing compounds and their properties

organization (*English, 9th grade*) The manner in which paragraphs are coherently patterned

organizational structure (*Business Education*) The explanation of how departments in a business relate to one another

orthographic projection (*Vocational Technology*) The process of projecting two or more views of an object onto imaginary planes by drawing perpendicularly from the object to the planes

osmosis (*Biology*) Water movement across a cell membrane

outline (*English, 9th grade*) The framework on which a speech or essay is built that follows several structural principles, contains main ideas, and shows how those ideas relate to the thesis

over-the-counter (OTC) medicine (*Health*) Medicines that one can buy without a prescription

over-training (*Physical Education, 11th & 12th grade*) Exercising or being active to a point where it begins to have negative effects

overuse injury (*Physical Education, 11th & 12th grade*) A muscular injury that results from overloading a muscle beyond a healthful point

overweight (*Physical Education, 9th & 10th grade*) A condition in which a person is heavier than the standard weight range for his or her height

ovum (*Family & Consumer Science*) The female cell, or egg, that is needed for reproduction

owners' equity (*Business Education*) The owners' claim to the assets of a business

oxygen sensor (*Vocational Technology*) Regulates the amount of oxygen present outside the exhaust system

oxymoron (*English, 11th grade*) A figure of speech that combines two unlike terms, such as "jumbo shrimp"

pan broil (*Family & Consumer Science*) A cooking of meat in a skillet without adding fat

parabola (*Algebra 2/Trig*) The set of all points in a plane that are the same distance from a given point, called the "focus," and a given line, called the "directrix." Its general shape is a U and is formed by graphing a quadratic expression.

paradigm (*STL*) A person's point of view, frame of reference, or belief

paradox (*English, 10th grade*) A statement that seems contrary to common sense yet, in fact, may be true

parallel (*Physics; Vocational Technology*) Extending in the same direction; everywhere equidistant, and not meeting

parallel play (*Family & Consumer Science*) The situation in which a child plays independently near, but not actually with, another child

parallel vectors (*Pre-Calculus*) Two vectors with the same or opposite directions

parallelism (*English, 11th grade*) A set of similarly structured words, phrases, or clauses that appears in a sentence or paragraph

paraphrase (*English, 9th grade; Reading*) Source or evidential information written in one's own words, roughly retold in the same number of words; to put the author's words and ideas into one's own words

parenting (*Family & Consumer Science*) The process of caring for children and helping them learn and grow

parliamentary procedure (*Business Education*) An orderly way of conducting a meeting to discuss group business

parody (*English, 12th grade*) The imitation or mocking of another literary work or style

partial sum (*Pre-Calculus*) The sum of the first n terms of a sequence

H-F DICTIONARY OF ACADEMIC TERMS 08-09

partnership (*Business Education*) A business owned by two or more people who share the risks and the rewards

parts of speech (*English, 9th grade*) Word groups: nouns, verbs, adjectives, adverbs, pronouns, prepositions, conjunctions, interjections

passive voice (*English, 9th grade*) When a verb expresses an action performed upon a subject, or when the subject is the result of the action

pathogen (*Health*) An organism that causes disease

pathos (*English, 10th grade*) An appeal to an audience's emotions

patriarchal v. matriarchal (*World History*) Patriarchal relates to a social system in which the father is the head of the family. Matriarchal relates to a social system in which the mother is the head of the family.

pattern (*Visual Art*) The repeated use of element(s) in an artwork to bring organization to an area of the work or to the work as a whole

pectoral muscles (*Physical Education, 9th & 10th grade*) Muscles of the chest

pedometer (*Physical Education, 9th & 10th grade*) A device that measures the number of steps a person takes and records the distance traveled

perceived exertion (*Physical Education, 11th & 12th grade*) A measure of how intensely an individual feels he or she is working during physical activity or exercise

permissive style (*Family & Consumer Science*) A parenting style in which parents give children a wide range of freedom, with children being able to set their own rules

perpendicular (*Physics; Vocational Technology*) Standing at right angles to a given line or plane

perpendicular bisector (*Geometry*) A bisector of a segment that is perpendicular to the segment

personal fitness (*Physical Education, 11th & 12th grade*) Total, overall fitness achieved by maintaining acceptable levels of physical activity, a healthy eating plan, and avoiding harmful substances

personal mission statement (*STL*) One's personal credo or motto which states what one's life is about

personal selling (*Business Education*) The oral presentation made by a salesperson to help a customer make a decision to buy the product

personality (*Health*) A complex set of characteristics that makes an individual unique

personification (*English, 9th grade*) A figure of speech in which an object, animal, or idea is given human characteristics

persuasion (*English, 9th grade*) Writing or speaking intended to convince the reader or listener of the validity of a position or that the reader or listener should take a specific action

phase shift (*Pre-Calculus*) The least positive or the greatest negative horizontal translation that maps $y = \cos x$ or $y = \sin x$ onto a translation image

photosynthesis (*Biology*) The process by which plants use light energy to convert water and carbon dioxide into oxygen and glucose

phrase (*English, 9th grade*) A group of related words that lacks either a subject, a predicate, or both such as "by the door," or "opening the box"

phrase (*Music*) A musical thought or idea

physical activity (*Physical Education, 9th & 10th grade*) Movement using the larger muscles of the body; includes sports, dance, and activities of daily life; may be done to accomplish a task, for enjoyment, or to improve physical fitness

physical development (*Family & Consumer Science*) The process of acquiring skills and using muscles of the body in patterns such as head to foot, near to, far, and simple to complex

physical fitness (*Physical Education, all grades*) The body's ability to carry out daily tasks and still have enough reserve energy to respond to unexpected demands

Piaget, Jean (*Family & Consumer Science*) Influential Swiss psychologist who identified four developmental periods from birth through adolescence: the sensorimotor, preoperational, concrete operations, and formal operations periods

pill (*Family & Consumer Science*) When tiny balls of fiber form on fabric

pitch (*Music*) The perceived quality of sound that is chiefly a function of its fundamental frequency; the number of oscillations per second of the sounding object of the particles of air excited by it

placenta (*Family & Consumer Science*) A tissue in the uterus of a pregnant woman that is rich in blood vessels and plays a role in bringing food and oxygen from the mother's body to the developing baby

plagiarism (*English, 9th grade*) The act of presenting another writer's ideas or words as if they were one's own, without acknowledging the source

plane (*Vocational Technology*) A surface of such nature that a straight line joining two of its points lies wholly in the surface; a flat or level surface

plot (*English, 9th grade*) The sequence of events in a literary work

point of view (*English, 9th grade*) The perspective from which a story is told that reveals how much a narrator knows about the characters

political party (*U.S. History*) A group that works together to win elections

polynomial (*Algebra 2/Trig*) An expression constructed from one or more variables and constants, using the operations of addition, subtraction, multiplication, and exponents

H-F DICTIONARY OF ACADEMIC TERMS 08-09

postulate (*Geometry*) A statement that describes a fundamental relationship between the basic terms of geometry and is accepted as true without proof

power (*Physical Education, 11th & 12th grade*) The ability to move the body parts swiftly while simultaneously applying the maximum force of the muscles

power (*Physics*) The time rate at which energy is emitted or transferred

power (*Vocational Technology*) In electrical terms, amperes x volts (Power = $I \times E$), expressed in watts

precision (*Physics*) The accuracy with which a number can be represented

predicting (*Reading*) Comprehension strategy of thinking what the text will be about or what will happen next to improve one's understanding and retention of what is read

prefix (*Reading*) An affix, or word part, that comes before a base, stem, or root word

preschoolers (*Family & Consumer Science*) Children ages three to five

prescription medicine (*Health*) Medicines that cannot be used without the written approval of a licensed physician

pressure (*Physics*) The action of a force against an opposing force

prêt à porte (*Family & Consumer Science*) Deluxe, ready-to-wear French fashion collections; more practical and less expensive than couture

previewing (*Reading*) Comprehension strategy of looking over a text – titles, headings, bold faced vocabulary, graphics, questions – before reading to improve one's understanding and retention of what is read

prime number (*Algebra*) A whole number, greater than 1, whose only factors are 1 and itself

principle of overload (*Physical Education, 11th & 12th grade*) Rule that states that in order to improve fitness one needs to do more physical activity than he or she normally does

principle of progression (*Physical Education, 11th & 12th grade*) Rule that states that the amount and intensity of physical activity needs to be increased gradually

principle of specificity (*Physical Education, 11th & 12th grade*) Rule that states that specific types of exercise improve specific parts of fitness or muscles

prioritizer (*STL*) One who plans and sequences actions to avoid stress and burnout

proactive (*STL*) To make choices based on values; to think before acting

probability (*Algebra*) The ratio that tells how likely it is that an event will take place

procrastinator (*STL*) One who thrives on urgency, who puts off action until nearing a crisis situation

producer (*Biology*) Organism that can produce its own food (plant)

product (*Chemistry*) A substance resulting from a chemical reaction that is shown to the right of the arrow in a chemical equation

productivity (*Economics*) The measure of how efficiently inputs are made into outputs

profit (*Business Education*) The amount of money that is left over after all the expenses of running a business have been deducted from the income

projectile (*Physics*) A body projected by external force and continuing in motion by its own inertia

prokaryote (*Biology*) An organism that does not have a nucleus; for example, bacteria

promotion (*Business Education*) The providing of information about a product, product line, brand, or company to consumers in hope of acquiring their business

pronouns (*World Languages*) Generic words that replace more specific nouns such as "I" and "you"

proofreading (*English, 9th grade*) Reviewing a text for errors in grammar and mechanics

proportion (*Algebra*) An equation of two ratios in which the product of the extremes is equal to the product of the means

proportion (*Family & Consumer Science*) The size relationship between different parts of the body

protagonist (*English, 9th grade*) The main character in a story who struggles against someone or something

protein (*Family & Consumer Science*) One of the six basic nutrients that is required for growth, repair, and maintenance of every body cell

protectionism v. free trade (*Economics*) The primary argument within globalization; those who support protectionism base their arguments on saving jobs and increased security, while those who support free trade base their arguments on increasing material well-being and employment. Free traders also believe that free trade breaks down animosities between nations: one is more likely to negotiate with trade partners than to make war.

proton (*Chemistry*) A positively charged particle in an atomic nucleus

psychoactive drugs (*Health*) Chemicals that affect the central nervous system and alter activity in the brain

psychological dependence (*Health*) Condition in which a person believes that a drug is needed in order to feel good or to function normally

public v. private good (*Economics*) Public goods are products that are collectively consumed by everyone and whose use by one individual does not diminish the satisfaction of value available to others. A private

H-F DICTIONARY OF ACADEMIC TERMS 08-09

good is a product that cannot be consumed by everybody, and there are finite amounts of that good.

purpose (*English, 11th grade*) The aim of an oral or written piece; the writer's objective for his work

Pythagorean theorem (*Geometry*) In a right triangle, the sum of the squares of the measures to the legs equals square the measure of the hypotenuse

quadriceps muscle (*Physical Education, 9th & 10th grade*) Muscle on the front of the thigh

quadrilateral (*Geometry*) A four-sided polygon

quickening (*Family & Consumer Science*) The term used to describe when the fetus kicks or moves around a lot

quote (*English, 10th grade*) To speak or write a passage from another source with credit to the source

radian (*Algebra 2/Trig*) The standard unit of angular measurement in all areas of mathematics beyond the elementary level, based off arc lengths within the unit circle

radiator (*Vocational Technology*) Part of an engine cooling system

radius (*Vocational Technology*) The distance from the center of a circle or arc to its edge

rafter (*Vocational Technology*) One of a series of structural members of a roof designed to support roof loads

range (*Pre-Calculus*) The set of possible values of the dependent variable of a function

range of motion (*Physical Education, 9th & 10th grade*) The full motion possible in a joint

rarefaction (*Physics*) A state or region of minimum pressure in a medium traversed by compressional waves

ratio (*Algebra*) A comparison of two numbers by division

rational numbers (*Algebra*) A number that can be expressed in the form of a fraction of integers

reactant (*Chemistry*) A starting substance in a chemical reaction that appears to the left of the arrow in a chemical equation.

reaction time (*Physical Education, 11th & 12th grade*) The ability to react or respond quickly to what you hear, see, or feel

reactive (*STL*) Making choices based in impulse rather than rational thought

recessive (*Family & Consumer Science*) The gene that is expressed as a trait only if paired with a matching recessive gene

reciprocating (*Vocational Technology*) A back and forth motion; for example, the motion of a working piston

recursive algorithm (*Pre-Calculus*) An algorithm that refers back to a smaller version of itself

reflection (*Geometry*) A transformation that flips a figure over a line

refusal skills (*Health*) Communication strategies that can help one say no when urged to take part in behaviors that are unsafe, unhealthful, or that go against one's values

reinforcement (*Family & Consumer Science*) A response that encourages a particular behavior so that it will repeated

relation (*Algebra 2/Trig*) A set of ordered pairs

relative muscular endurance (*Physical Education, 11th & 12th grade*) The maximum number of times an individual can repeatedly perform a resistance activity in relation to his or her body weight

relative muscular strength (*Physical Education, 11th & 12th grade*) The maximum number of times an individual is able to exert in relation to his or her body weight

repetitions (*Physical Education, 9th & 10th grade*) The number of consecutive times one does an exercise; usually referred to as "reps"

representative government (*World History*) A government of elected officials that is responsible to the citizens for its actions

republic (*U.S. History*) A government in which citizens elect officials to represent them; also known as "representative democracy"

resiliency (*Health*) The ability to adapt effectively and recover from disappointment, difficulty, or crisis

resistance training (*Physical Education, 9th & 10th grade*) Exercises using resistance, in the form of free weights or machines, to develop muscular endurance or strength

resonance (*Physics*) A vibration of large amplitude in a mechanical or electrical system causing a small periodic stimulus

resources (*Economics*) That which is used to produce goods and services; for example, natural resources, human resources, and capital resources.

resting heart rate (*Physical Education, 9th & 10th grade*) The number of heartbeats during a period of inactivity

restrictions (*Pre-Calculus*) The set of values that the variables in an expression or function cannot have

resultant (*Physics*) The single vector that is the sum of a given set of vectors

revenue v. profit (*Economics*) Revenue is the total amount of money received in exchange for goods and/or services. Profit is the amount of money earned after total costs are subtracted from total revenue.

H-F DICTIONARY OF ACADEMIC TERMS 08-09

revolution (*World History*) The overthrow of a government by its people, or a radical change in society

rhetorical question (*English, 10th grade*) A question asked for effect rather than to produce or require an answer

rhyme (*English, 9th grade*) Repetition of the ending sounds of words that are usually the final words in lines

rhythm (*English, 9th grade*) The pattern of stressed and unstressed syllables in language

rhythm (*Music*) The division of musical ideas or sentences into regular metrical portions

rhythm (*Visual Arts*) A visual tempo or beat; the principle of design that refers to a regular repetition of elements of art to produce the look and feel of movement

riboflavin (*Family & Consumer Science*) The principal growth promoting factor in the vitamin B complex that is found in milk, leafy vegetables, fresh meat, and egg yolks

risk factors (*Physical Education, 11th & 12th grade*) Conditions and behaviors that represent a potential threat to an individual's well-being

risk v. reward (*Economics*) Risk is the degree of uncertainty of an investment's return. The greater the risk an investor accepts, the more the reward he or she will expect.

RNA (ribonucleic acid) (*Biology*) Single-stranded nucleic acid that contains the sugar ribose

roadblock (*STL*) A circumstance that gets in the way of one's success

role model (*STL*) A person who is admired and looked up to by others

root (*Algebra 2/Trig*) A solution of an equation

roots (*Algebra*) The solutions of a quadratic equation

rotation (*Algebra 2/Trig*) A transformation in which a figure is moved around a given point

rotation (*Physics*) The process of rotating on an axis or center

roux (*Family & Consumer Science*) A cooked paste of fat and flour used as the thickening agent in many sauces and gravies

rule of law (*World History*) The recognition of law, rather than the individual, as the supreme authority of a state

run-on sentence (*English, 9th grade*) More than one independent clause joined without appropriate punctuation

safety (*Vocational Technology*) To protect against failure, breakage, or accident; the condition of being protected from undergoing or causing injury, hurt, or loss

satire (*English, 12th grade*) A work or manner that blends a cynical attitude with humor and wit for the purpose of improving the human condition

saute' (*Family & Consumer Science*) To cook food quickly in a small amount of fat in a skillet over dry heat

scalar (*Pre-Calculus*) A real number used in conjunction with vectors, matrices, and transformations

scale (*Vocational Technology*) A measuring device with graduations for laying off distance; the size of a drawn object in relation to its true size

scarcity (*Economics*) A limited amount of resources relative to unlimited human wants; the fundamental economic problem facing all societies.

search engine (*Library*) A website whose primary function is providing a search engine for gathering and reporting information available on the Internet or a portion of the Internet

secant (*Geometry*) A line that intersects the circle in exactly two points

section (*Vocational Technology*) A view that shows an object as if part of it were cut away to expose the inside

secularism v. fundamentalism (*World History*) Secularism describes a worldly rather than religious outlook. Fundamentalism rejects secularism, seeking a society based on the beliefs and practices of a particular religion.

sedentary (*Physical Education, 11th & 12th grade*) Physically inactive

segment (*Geometry*) A part of a line that consists of two points, called endpoints, and all the points between them

segregation (*U.S. History*) The separation of one race from another

self awareness (*STL*) The ability to evaluate and measure one's thoughts and actions

selvage (*Family & Consumer Science*) A self-edge formed by the filling yarn when it turns to go back in the other direction as fabric is created; the two finished lengthwise edges of the fabric

separating (*Vocational Technology*) A process used to remove material or volume by machining or cutting

separation anxiety (*Family & Consumer Science*) A child's fear of being away from parents, familiar caregivers, or the normal environment

separation of church and state (*U.S. History*) The principle that government should not officially endorse any religion

separation of powers (*U.S. History*) The division of power into three branches of government – the legislative, the executive, and the judicial – each with its own functions

H-F DICTIONARY OF ACADEMIC TERMS 08-09

sequence (*Reading*) To recall the order of events or steps of a process

series (*Algebra 2/Trig*) The indicated sum of the terms of a sequence

series (*Physics*) The indicated sum of an unusually infinite sequence of numbers

set a purpose (*Reading*) To determine what one needs to know, understand, and remember about a text before reading

sets (*Physical Education, 9th & 10th grade*) A group of repetitions

sexually transmitted infections (STIs) (*Health*) Infectious diseases spread from person to person through sexual contact

shape/form (*Visual Art*) The area enclosed by an outline that can be organic, as found in nature, or geometric, such as squares and rectangles.

sibling rivalry (*Family & Consumer Science*) Competition between brothers and sisters for parents' affection and attention

sidestroke (*Physical Education, 9th & 10th grade*) A swimming stroke used for lifeguard rescues and as a resting stroke; performed on one's side with a scissors kick, all arm and leg actions under water

signal words (*Reading*) Transition words and phrases that give the reader clues to text structure; also called "clue words"

similar figures (*Geometry*) Figures that have the same shape but that may differ in size

simile (*English, 9th grade*) A comparison between two unlike entities or concepts using "like" or "as"

simmer (*Family & Consumer Science*) To cook in water at a heat just below boiling, where tiny bubbles break in the water

skeletal muscle (*Physical Education, 9th & 10th grade*) Muscle attached to bones that makes movement possible

skill-related fitness (*Physical Education, 11th & 12th grade*) The ability to perform successfully in various games and sports

Skinner, B. F. (*Family & Consumer Science*) A behavior therapist who argued that behavior followed by reinforcement will most likely be repeated

slacker (*STL*) A person who views nothing as being important or urgent

slope (*Algebra*) The ratio of the rise to the run as one moves from one point to another across the line

slow-twitch muscle fibers (*Physical Education, 9th & 10th grade*) Muscle fibers that contract at a slow rate allowing for greater muscle endurance

small motor skills (*Family & Consumer Science*) An ability that depends on the use and control of the finer muscles of the wrists, fingers, and ankles

Smith system (*Driver Education*) Organized method designed to help drivers develop good seeing habits by using five rules for safe driving

social classes (*World History*) Ranks in society that are usually arranged hierarchically, from the most powerful to the least powerful

social development (*Family & Consumer Science*) The process of learning to interact with and express oneself to others

sole proprietorship (*Business Education*) A business owned by one person

solution (*Chemistry*) A homogeneous mixture

sonnet (*English, 12th grade*) A poem consisting of 14 lines of iambic pentameter, written in two forms: Petrarchan sonnet and English sonnet

source credibility (*English, 10th grade*) The believability, authenticity, and relevance of a body of information used for research

space (*Visual Art*) An element of art that refers to the distance or area between, around, above, below, or within things that can be described as two- or three-dimensional; flat, shallow, or deep; open or closed; positive or negative; actual, ambiguous, or illusory

space cushion (*Driver Education*) Open area around a vehicle consisting of adequate following distance between it and the vehicles ahead and behind, plus swerve paths to left and right

speed (*Physical Education, 11th & 12th grade*) The ability to move the body or body parts swiftly

speed (*Physics*) A rate of motion

sperm (*Family & Consumer Science*) The male cell needed for reproduction

sprain (*Physical Education, 11th & 12th grade*) A condition in which the ligaments that hold joints in position are stretched or torn

spreadsheet (*Business Education*) A worksheet on which financial data are laid out in rows and columns, separated into individual cells for compartmental and comparative purposes

square root (*Algebra 2/Trig*) ($\sqrt{\quad}$) The \sqrt{x} is the number times itself that equals x.

standard position (*Pre-Calculus*) An arrow for a vector whose initial point is at the origin or pole of the coordinate system

stanza (*English, 10th grade*) A group of lines forming a structural unit or division of a poem, similar to a paragraph in prose

stanzaic form (*English, 12th grade*) Poetry that is divided regularly into stanzas

statutes (*Business Education*) Laws enacted by state or federal legislatures

H-F DICTIONARY OF ACADEMIC TERMS 08-09

stiff peak (*Family & Consumer Science*) The final stage of egg white foam formation which produces the greatest amount of air and stability

still birth (*Family & Consumer Science*) The death of a developing baby after twenty weeks of pregnancy

stock (*Business Education*) Certificates indicating the amount of equity each investor has in a business

strain (*Physical Education, 11th & 12th grade*) A pull in a muscle or tendon

strength (*Physical Education, 9th & 10th grade*) The amount of force a muscle can produce

stress (*Health & Physical Education, 11th & 12th grade*) The mind and body's response to the demands and threats of everyday life

stress fracture (*Physical Education, 11th & 12th grade*) A break in the bone caused by overuse

stress management (*Health*) Ways to deal with or overcome the negative effects of stress

string (*Pre-Calculus*) An ordered list of symbols

stud (*Vocational Technology*) The vertical framing member of a wall

style (*English, 11th grade*) The particular way in which a literary work is written

subchapter S (*Business Education*) A form of a corporation which is taxed like a sole proprietorship or partnership

subject heading (*Library*) A word or phrase from a controlled vocabulary which is used to describe the subject of a document. The most commonly used subject headings in libraries are the Library of Congress Subject Headings (LCSH).

substance abuse (*Health*) Any unnecessary or improper use of chemical substances for non-medical purposes

suffrage (*U.S. History*) The right to vote

suffix (*Reading*) An affix, or word part, that comes after a base, stem, or root word

summarize (*Reading*) To condense a longer text into its essential elements: *CRO-MID*: condensed text, restated language, organization that reflects the original text, main ideas and important details included

summary (*English, 10th grade*) A condensed synopsis of the main points of a larger work

supplementary angles (*Geometry*) Two angles whose degree measures have a sum of 180

supply (*Economics*) The amount a supplier is willing and able to offer for sale at various prices

supporting details (*Reading*) Facts, examples, reasons, and causes (*FERCs*) that elaborate on the main idea(s) of a text

supporting material (*English, 9th grade*) The data (such as examples, statistics, and testimony) used to back up a claim/proposition

sustained silent reading (SSR) (*Reading*) Reading quietly to oneself for a long, continuous time

symbol (*English, 9th grade*) Something that suggests or stands for something else without losing its original identity

synergy (*STL*) The process of working together with others to achieve more

synonym (*Reading*) A word that has the same meaning as another word

syntax (*English, 9th grade*) The pattern of formation of sentences or phrases in a language

synthesis (*Reading*) Combining different concepts into a coherent whole; combining ideas to form a new idea or product

synthetic division (*Algebra 2/Trig*) A simpler method than long division used to divide a polynomial by a binomial

system (*Physics*) A regularly interacting group of items forming a unified whole

target heart rate range (*Physical Education, 11th & 12th grade*) The range of one's heart rate during aerobic exercise or activity for maximum cardio respiratory endurance

technique (*Music*) The manner in which physical movements are used to produce sounds with an instrument or voice; the ability to use such movements; for example, good piano technique

technique (*Visual Art*) Any method of working with art materials to produce an art object

temperature (*Physics*) A degree of hotness or coldness measured on a definite scale

temperament (*Family & Consumer Science*) A person's typical way of reacting to the world and relating to others

tempo (*Music*) The speed at which music is performed; the rate per unit of time of metrical pulses in performance

tendon (*Physical Education, 9th & 10th grade*) A band of strong tissue that connects a muscle to a bone

term (*Algebra*) A number, a variable, or a product or quotient of numbers and variables

terminal side (*Algebra 2/Trig*) One of two rays forming an angle on a coordinate plane that rotates about the origin

text structure (*Reading*) The organization of a text, such as chronological order, definition/example, cause/effect, compare/contrast, or problem/solution

H-F DICTIONARY OF ACADEMIC TERMS 08-09

texture (*Music*) The general pattern of sound created by the elements of a work or passage; for example, homophonic vs. polyphonic

texture (*Visual Art*) The surface quality of the artwork; actual texture is the way a surface feels, while implied texture is created by artist techniques.

theme (*English, 9th grade*) The statement about life an author is trying to get across in a piece of literature

theorem (*Geometry*) A statement, usually of a general nature, that can be proved by appeal to postulates, definitions, algebraic properties, and rules of logic

thesis statement (*English, 9th grade*) A sentence in the introduction of an essay that states the argument or main idea of the essay

thiamin (*Family & Consumer Science*) One of the B vitamins essential in metabolism, it helps cells convert carbohydrates into energy necessary for healthy brain, nerve cell, and heart function

timbre (*Music*) The quality of tone or sound

timbre (*Physics*) The quality of tone distinctive of a particular singing voice or musical instrument

time (*Physical Education, 9th & 10th grade*) The length of physical activity

toddler (*Family & Consumer Science*) Children from age one to three, so named for the unsteady steps they use when they first begin walking

tolerance (*Health*) A condition in which the body becomes used to the effects of a medicine

toleration (*World History*) Willingness to allow to exist beliefs and practices that are different from one's own

tone (*English, 10th grade*) A general quality, effect, atmosphere, or characteristic conveyed by a text

tone (*Music*) A given, fixed sound of certain pitch; the particular quality of the sound of any voice or instrument

toolbar (*Business Education*) A row of icons on a computer screen that activates commands or functions when clicked

topic (*Library*) The subject of a speech, essay, thesis, or discourse.

topic sentence (*English, 9th grade*) The first sentence of a paragraph that states the focus of the paragraph

torque (*Physics*) A force that produces or tends to produce rotation or torsion

tort (*Business Education*) A private or civil wrong for which the law grants a remedy

traction (*Driver Education*) Friction or gripping power between the tires and the roadway surface

training station (*Business Education*) A site where a student works to learn job skills

transition (*English, 9th grade*) A word, phrase, sentence, or paragraph that indicates to the reader the relationship between parts of a text or speech

transversal (*Geometry*) A line that intersects two or more lines in a plane at different points

triad (*Music*) A chord consisting of three pitches, the adjacent pitches being separated by the interval of a third

triceps muscle (*Physical Education, 9th & 10th grade*) Muscle located on the back of the upper arm

tumor (*Health*) An abnormal mass of tissue that has no natural role in the body

type (*Physical Education, 9th & 10th grade*) the particular type of physical activity or exercise one chooses to do

ultrasound (*Family & Consumer Science*) A prenatal test performed by using sound waves to make a video image of an unborn baby to check for specific health problems

umbilical cord (*Family & Consumer Science*) A long tube that connects the placenta to the developing baby during pregnancy to carry food and oxygen to the fetus

understatement (*English, 11th grade*) A statement of irony; the deliberate representation of something as much less important than it really is or than is commonly assumed

unemployment (*Economics*) The state of not working but searching for work; the unemployment rate is a key indicator of the economic health of a country.

unit circle (*Algebra 2/Trig*) The circle with a radius of one unit and center at the origin

unit vector (*Pre-Calculus*) A vector whose length is 1

unity (*Visual Art*) The total visual effect achieved by blending the elements and principles of art

universal design (*Family & Consumer Science*) A concept that guides the design of housing for easier use by everyone

URL [u(niform) r(esource) l(ocator)] (*Library*) An Internet address such as <http://www.hmco.com/trade/>, usually consisting of the access protocol (*http*), the domain name (*www.hmco.com*), and optionally the path to a file or resource residing on that server (*trade*).

U.S. Constitution (*U.S. History*) The document that established the current government in the United States

uterus (*Family & Consumer Science*) The organ in a woman's body in which a baby develops during pregnancy

H-F DICTIONARY OF ACADEMIC TERMS 08-09

vaccine (*Health*) A preparation of dead or weakened pathogens that are introduced into the body to stimulate an immune response

value (*Family & Consumer Science*) The lightness or darkness of a color

value (*Visual Art*) The range of light and dark areas in a work of art that can suggest two or three dimensions

values (*Health*) The ideas, beliefs, and attitudes about what is important that help guide the way a person lives

variable (*Algebra*) The number or letter that is used to represent an unspecified number

vector (*Pre-Calculus*) A quantity that can be characterized by its direction and its magnitude

vector (*Physics*) A physical quality that requires the specification of both direction and magnitude

velocitation (*Driver Education*) Condition of unconsciously driving too fast as a result of driving for long periods at high speeds

velocity (*Physics*) Quickness of motion

verb tenses (*World Languages*) Examples: present tense *I go*. past tense *I went*. future tense *I will go*. conditional tense *I would go*. present perfect *I have gone*.

verbal irony (*English, 10th grade*) Language in which the author says one thing but means another

vernix (*Family & Consumer Science*) Rich, creamy substance fetus and newborns are covered with to protect the skin from constant exposure to the fluid surrounding the developing baby

vertex (*Geometry*) For an angle, the common endpoint of the two rays that form the angle; in a polygon, the endpoints of the sides

vertical asymptote (*Pre-Calculus*) A vertical line $x = a$ to which the graph of a function approaches as x approaches a , either from the right or from the left

vertical line test (*Algebra I/2Trig*) If every vertical line drawn on the graph of a relation passes through no more than one point on the graph, then the relation is a function.

view (*Vocational Technology*) A pictorial representation of an object

vision (*Business Education*) The main concept or idea one has for a business

visualize (*Reading*) To mentally picture text information as a means to improve comprehension and retention

vitamin A (*Family & Consumer Science*) A vitamin that enhances night vision and promotes bone growth

vitamin C (*Family & Consumer Science*) An antioxidant that performs a variety of roles in the body, such as promoting healthy gums and teeth,

aiding in mineral absorption, and assisting in healing wounds

vitamin D (*Family & Consumer Science*) A vitamin that improves absorption and utilization of calcium and maintains a stable nervous system and normal heart action

vitamin E (*Family & Consumer Science*) A fat soluble vitamin that is essential for normal reproduction; an important antioxidant that supplies oxygen to the blood and carries oxygen to the heart

vitamin K (*Family & Consumer Science*) A substance that promotes the clotting blood

voice (*English, 10th grade*) The textual features, such as diction and sentence structure, that convey a writer's or speaker's persona

warm-up (*Physical Education, 9th & 10th grade*) A series of low intensity activities that prepares the body for more vigorous exercise and helps prevent injury

wavelength (*Physics*) The distance in the line of advance of a wave from any one point to the next point of corresponding phase

website (*Library*) A set of interconnected webpages, usually including a homepage, generally located on the same server, and prepared and maintained as a collection of information by a person, group, or organization.

weight (*Physics*) The heaviness of an object

wellness (*Health & Physical Education, 11th & 12th grade*) Total health in the areas of physical well-being, mental/emotional well-being, and social well-being

whhey (*Family & Consumer Science*) The liquid part of coagulated milk

willpower (*STL*) The ability to do what one knows is right, even when it is difficult, uncomfortable, or inconvenient

withdrawal (*Health*) A condition that occurs when a person stops using a medicine or drug on which he or she has a chemical dependency

women's rights movement (*U.S. History*) A movement that began in the 1840s to obtain equal rights for women, including the right to vote

work (*Physics*) Energy expended by natural phenomena

work triangle (*Family & Consumer Science*) The imaginary lines connecting the food preparation and storage, cleanup, and serving centers of a kitchen

works cited (*English, 10th grade*) An MLA-style bibliography

World Wide Web [*Abbr. WWW*] (*Library*) The complete set of documents residing on all Internet servers that use the HTTP protocol, accessible to users via a simple point-and-click system.

x-coordinate (*Algebra*) The first number in an ordered pair

H-F DICTIONARY OF ACADEMIC TERMS 08-09

y-coordinate (*Algebra*) The second number in an ordered pair

yeast (*Family & Consumer Science*) A microscopic, single-celled plant that produces the leavening gas carbon dioxide through the process of fermentation

yes-man (*STL*) A people pleaser who has a hard time saying "no," to others at whatever expense

yield (*Family & Consumer Science*) The average amount or number of servings a given recipe will produce

Zone Control System (*Driver Education*) Organized method for managing the space – or six zones – around one's vehicle

zygote (*Family & Consumer Science*) A fertilized egg

This list, compiled through the combined efforts of H-F department chairmen and teachers, represents their continued dedication to providing excellent educational opportunities for all H-F students.

H-F DICTIONARY OF ACADEMIC TERMS INDEX 08-09

ALGEBRA

coefficient
 constants
 coordinate
 data
 domain
 equation
 evaluate
 factor
 function
 greatest common factor
 integers
 linear equation
 odds
 ordered pair
 prime number
 probability
 proportion
 ratio
 rational numbers
 roots
 slope
 term
 variable
 x-coordinate
 y-coordinate

ALGEBRA

2/TRIGONOMETRY

amplitude
 angle of depression
 common difference
 complex number
 co-terminal angles
 determinant
 discriminant
 exponential equation
 extraneous solutions
 geometric sequence
 irrational number
 leading coefficient
 matrix
 parabola
 polynomial
 radian
 relation
 root
 rotation
 series
 square root
 synthetic division
 terminal side
 unit circle
 vertical line test

ALL CONTENT AREAS

critical thinking
 elements of thought
 intellectual standards

BIOLOGY

biotechnology
 cell
 chemical digestion
 deoxyribonucleic acid
 diffusion
 DNA (deoxyribonucleic acid)
 eukaryote
 heredity
 mechanical digestion
 mitosis
 natural selection

organelle
 osmosis
 photosynthesis
 prokaryote
 producer
 RNA (ribonucleic acid)

CHEMISTRY

acid
 anion
 atom
 base
 bond
 cation
 compound
 electron
 element
 equilibrium
 heterogeneous mixture
 homogenous mixture
 ion
 mass
 matter
 mixture
 mole
 molecule
 neutron
 organic chemistry
 product
 proton
 reactant
 solution

BUSINESS EDUCATION

account
 accounting cycle
 advertising
 assets
 budget
 business
 business ethics
 business plan
 capital
 channel of distribution
 civil rights
 competitive grid
 compromise
 corporation
 credit
 demographic
 dialogue box
 due process
 economics
 entertainment
 entrepreneur
 factors of production
 gross domestic product (GDP)
 group dynamics
 icon
 income
 internship
 interview
 investment
 job evaluation
 leadership
 liabilities
 limited partners
 marketing
 marketing mix
 menu bar
 organizational structure
 owners' equity
 parliamentary procedure

partnership
 personal selling
 profit
 promotion
 sole proprietorship
 spreadsheet
 statutes
 stock
 subchapter s
 toolbar
 tort
 training station
 vision

DRIVER EDUCATION

basic speed law
 blood-alcohol concentration (BAC)
 collision
 differential
 euphoria
 financial responsibility law
 fringe vision
 gap
 graduated driver licensing program
 hydroplaning
 implied consent law
 IPDE Process
 nystagmus
 Smith system
 space cushion
 traction
 velocitation
 Zone Control System

ECONOMICS

comparative advantage
 deficit v. debt
 demand
 economic system
 equilibrium
 exchange rate
 fiscal policy
 globalization
 gross domestic product
 human capital
 inflation
 interest rates
 markets
 monetary policy
 mortgage
 opportunity cost
 productivity
 protectionism v. free trade
 public v. private good
 resources
 revenue v. profit
 risk v. reward
 scarcity
 supply
 unemployment

ENGLISH, 9th grade

analogy
 anecdote
 antagonist
 antecedent
 archetype
 attention getter
 blank verse
 clause

H-F DICTIONARY OF ACADEMIC TERMS INDEX 08-09

comma splice
 compare/contrast
 conflict
 connotation
 couplet
 deductive logic
 denotation
 development
 diction
 elaboration
 evidence/support
 exposition
 expository essay
 figurative language
 first person point of view
 flashback
 foreshadowing
 fragment
 hyperbole
 iambic pentameter
 imagery
 introduction
 limited omniscient point of view
 listening
 lyric
 metaphor
 meter
 mood
 narrative
 narrator
 omniscient point of view
 organization
 outline
 paraphrase
 parts of speech
 passive voice
 personification
 persuasion
 phrase
 plagiarism
 plot
 point of view
 proofreading
 protagonist
 rhyme
 rhythm
 run-on sentence
 simile
 supporting material
 symbol
 syntax
 theme
 thesis statement
 topic sentence
 transition

ENGLISH, 10th grade

active voice
 allusion
 audience
 audience analysis
 auditory aspects of delivery
 communication
 complex sentence
 compound sentence
 conclusion
 documentation
 dramatic irony
 extemporaneous speech
 inductive logic
 in-text citation
 irony of situation
 logical fallacy

logos
 paradox
 pathos
 quote
 rhetorical question
 source credibility
 stanza
 summary
 tone
 verbal irony
 voice
 works cited

ENGLISH, 11th grade

antithesis
 cohesion
 ethos
 motif
 onomatopoeia
 oxymoron
 parallelism
 purpose
 stanzaic form
 style
 understatement

ENGLISH, 12th grade

alliteration
 assonance
 cacophony
 consonance
 continuous form
 dialect
 euphony
 exigence
 farce
 frame narrative
 free verse
 jargon
 parody
 satire
 sonnet

FAMILY & CONSUMER SCIENCE

abrasion
 amniocentesis
 amniotic fluid
 anemia
 animal books
 apgar scale
 architectural drawing
 artificial insemination
 ascorbic acid
 assessment
 atelier
 authoritarian style
 behavior
 birth defects
 braise
 bran
 broil
 calcium
 calorie
 carbohydrate
 casing
 cervix
 Cesarean birth
 chorionic villi sampling
 colostrum
 complementary color
 conception
 concepts

cooperative play
 couture
 croquis
 curd
 cut-in
 darts
 democratic style
 development
 developmentally age
 appropriate
 directed guidance
 dominant
 embryo
 emotional development
 emulsion
 endosperm
 environment
 episiotomy
 Erikson, Erik
 example
 fad
 fairytales
 family life books
 fashion
 fat
 fetus
 finger plays
 floor plan
 fold
 folic acid
 fontanel
 food guide pyramid
 Gardner, Howard
 germ
 gluten
 grain
 grasping reflex
 guidance
 haute couture
 heredity
 hue
 in vitro fertilization
 incubator
 indirect guidance
 infant
 infertility
 intellectual development
 intensity
 interpretation
 iron
 jaundice
 knead
 lanugo
 large motor skills
 leavening agent
 lightening
 manuscript writing
 milia
 miscarriage
 Montessori, Maria
 multi-sized
 nap
 niacin
 notions
 nutrient
 object permanence
 objectives
 observation
 ovum
 pan broil
 parallel play
 parenting
 permissive style

H-F DICTIONARY OF ACADEMIC TERMS INDEX 08-09

physical development
 Piaget, Jean
 pill
 placenta
 preschoolers
 prêt a porte
 proportion
 protein
 quickening
 recessive
 reinforcement
 riboflavin
 roux
 saute'
 selvage
 separation anxiety
 sibling rivalry
 simmer
 Skinner, B. F.
 small motor skills
 social development
 sperm
 stiff peak
 still birth
 temperament
 thiamin
 toddlers
 ultrasound
 umbilical cord
 universal design
 uterus
 value
 vernix
 vitamin A
 vitamin C
 vitamin D
 vitamin E
 vitamin K
 whey
 work triangle
 yeast
 yield
 zygote

GEOMETRY

acute angle
 adjacent angles
 angle
 chord
 collinear points
 complementary angles
 congruent
 conjecture
 deductive reasoning
 hypotenuse
 inductive reasoning
 isosceles triangle
 obtuse angle
 perpendicular bisector
 postulate
 Pythagorean theorem
 quadrilateral
 reflection
 secant
 segment
 similar figures
 supplementary angles
 theorem
 transversal
 vertex

HEALTH

abstinence

acquired immune deficiency
 syndrome (AIDS)
 addiction
 benign
 blood alcohol concentration
 (BAC)
 cancer
 carcinogen
 cardiovascular disease (CVD)
 communicable disease
 culture
 drug-free school zone
 drugs
 fertilization
 fetal alcohol syndrome (FAS)
 health
 hormones
 hypertension
 immune system
 malignant
 media
 mental/emotional health
 metastasis
 nicotine
 non-communicable disease
 over-the-counter (OTC)
 medicine
 pathogen
 personality
 prescription medicine
 psychoactive drugs
 psychological dependence
 refusal skills
 resiliency
 sexually transmitted infections
 (STIs)
 stress
 stress management
 substance abuse
 tolerance
 tumor
 vaccine
 values
 wellness
 withdrawal

LIBRARY

bibliography
 database
 homepage
 Internet
 keyword
 online catalogue
 search engine
 subject heading
 topic
 URL
 Website
 World Wide Web

MUSIC

analyze
 articulation
 chord
 dynamics
 focus
 form
 harmonic
 harmony
 interval
 intonation
 melody
 meter

motive
 phrase
 pitch
 rhythm
 technique
 tempo
 texture
 timbre
 tone
 triad

PHYSICAL EDUCATION, 9th &

10th grade

abdominal muscles
 Achilles tendon
 aerobic activity
 agility
 back crawl
 biceps
 breaststroke
 body composition
 circuit training
 cool-down
 coordination
 core muscles
 dehydration
 deltoid muscle
 elementary backstroke
 exercise
 extension
 FITT formula
 flexion
 flexor
 frequency
 front crawl
 gluteal muscle
 hamstring muscle
 heart rate
 heredity
 intensity
 joint
 latissimus muscle
 leisure-time activities
 ligament
 muscle cramps
 muscle fibers
 obesity
 overweight
 pectoral muscles
 pedometer
 physical activity
 physical fitness
 quadriceps muscle
 range of motion
 repetitions
 resistance training
 resting heart rate
 sets
 side stroke
 skeletal muscle
 skill-related fitness
 slow-twitch muscle fibers
 strength
 stress
 tendon
 time
 triceps muscle
 type
 warm-up

PHYSICAL EDUCATION 11TH

& 12TH grade

active warm-up

H-F DICTIONARY OF ACADEMIC TERMS INDEX 08-09

adherence
aerobic activity
anaerobic activity
balance
body composition
body mass index
cardiorespiratory endurance
cardiovascular disease
core stability
cross-training
detraining
exercise
exercise prescription
flexibility
frostbite
health-related fitness
heat exhaustion
heatstroke
hypothermia
interval training
medical screening
muscular endurance
muscular strength
over-training
overuse injury
perceived exertion
personal fitness
physical fitness
power
principle of overload
principle of progression
principle of specificity
reaction time
relative muscular endurance
relative muscular strength
risk factors
sedentary
skill-related fitness
speed
sprain
strain
stress
stress fracture
target heart rate range
wellness

PHYSICS

acceleration
accuracy
amplitude
anti-node
average
coefficient
coherence
collision
components
concave
conductor
convex
crest
current
diffraction
displacement
elastic
equilibrium
field
force
frequency
friction
generator
gravitation
harmonic
heat

impulse
inelastic
inertia
insulator
interference
kinetic
laser
lens
longitudinal
magnetic
mass
mechanical
medium
momentum
node
parallel
perpendicular
power
precision
pressure
projectile
rarefaction
resonance
resultant
rotation
series
speed
system
temperature
timbre
torque
vector
velocity
wavelength
weight
work

PRE-CALCULUS

acceleration
bi-conditional
combinatorics
differential equation
discrete set
divergent
essential discontinuity
even function
finite sequence
horizontal asymptote
iterate
odd function
one-to-one function
parallel vectors
partial sum
phase shift
range
recursive algorithm
restrictions
scalar
standard position
string
unit vector
vector
vertical asymptote

READING

affix
analysis
antonym
application
author's purpose
background knowledge
clarify
clue words

comprehension
context clues
CRO-MID (See "summarize.")
drawing a conclusion
ESAGS (See "context clues.")
etymology
evaluation
FERCS (See "supporting details.")
genre
inference
main idea
metacognition
paraphrase
predicting
prefix
previewing
sequence
set a purpose
signal words
suffix
summarize
supporting details
sustained silent reading
synonym
synthesis
text structure
visualize

SEMINAR IN TEACHING & LEARNING (STL)

can-do
conscience
crossroad
doormat
goal setting
habit
imagination
paradigm
personal mission statement
prioritizer
proactive
procrastinator
reactive
roadblock
role model
self awareness
slacker
Synergy
willpower
yes-man

U.S. HISTORY

abolition
American slavery
atomic bomb
Bill of Rights
capitalism
checks and balances
Civil Rights Movement
Civil War
Cold War
communism
conservative
Declaration of Independence
federalism
Great Depression
Holocaust
idealism v. realism
Indian removal
liberal
New Deal
political party

H-F DICTIONARY OF ACADEMIC TERMS INDEX 08-09

republic
segregation
separation of church and state
separation of powers
suffrage
U. S. Constitution
women's rights movement

VISUAL ART

aesthetics
balance
breadth
color
composition
concentration quality
contrast
craftsmanship
creativity
emphasis
line
movement
pattern
rhythm
shape/form
space
technique
texture
unity
value

VOCATIONAL TECHNOLOGY

accident
alternator
ammeter
assembly
auxiliary
axis
battery
blue print
cam shaft
casting
conditioning
coolant
counterbore
countersink
crank shaft
cylinder head
diameter
dimensioning
distributor
drilling
elevation
feed
finishing
flywheel
forming
foundation
grade
grinding
ignition
inclined
industrial
joist
landing
lay out
leader
line
manufacturing
measurement
micrometer
milling
oil pump
orthographic projection

oxygen sensor
parallel
perpendicular
plane
power
radiator
radius
rafter
reciprocating
safety
scale
section
separating
stud
view

WORLD HISTORY

aristocrats
authoritarian
bourgeoisie
bureaucracy
centralized v. decentralized
cultural diffusion
democracy
genocide
hereditary rule
history
imperialism v. empire
industrialization
infrastructure
left wing v. right wing
market v. command economy
militarism
monarchy
monotheism v. polytheism
nationalism
nomads
patriarchal v. matriarchal
representative government
revolution
rule of law
secularism v. fundamentalism
social classes
toleration

WORLD LANGUAGES

adjective
adverb
agreement
cognates
conjugate
cultural awareness
cultural tolerance
gender
indigenous culture
infinitive verb
interrogative words
number
pronouns
verb tenses