



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE



Department: Special Education Course: Life Skills Math Instructor(s):
This course is aligned to: **College Readiness Standards and/or College Board Standards**

Below is the Life Skills' Algebra and Pre-Algebra curriculum. This curriculum is designed to be used in conjunction with the Life Skills' 3 year Geometry curriculum. The concepts that are taught and the depth to which they are taught depend on the needs of the students and their Individualized Education Plan. This curriculum is designed to be taught over a three year span. The students will have exposure to most, if not all, concepts over the course of their high school career.

	COLLEGE READINESS AND/OR COLLEGE BOARD CONTENT STANDARDS	INSTRUCTIONAL CONTENT	Instructional Materials	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	Planned Generalization
1	M.I.a.1.	Number Names and Values up to 100	Number Puzzles Flash Cards Grids	Create Puzzle, Number Matching, Flash Cards, Create number chart 1 to 100	Create Number chart 1 to 100, Assess how many numbers students know from 1 to 100	
2	M.I.a.1.	Coin Values and names: Writing Money Values	Coins Money BINGO Worksheets	Money BINGO, Memory, Name that Coin	BINGO Game	
3	M.I.a.2.	Adding and Subtracting One Digit Whole numbers	Blocks Pennies Worksheets Scrap Paper Whiteboards	Bellwork, Worksheets, Adding People Game, Teach students how to use base ten blocks	Quiz Quiz over base ten blocks	Adding and Subtracting Coins Adding and Subtracting



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						Objects
4	M.I.a.1.	Greater or Less Than	Paper Markers Bite-Size Food	Alligator drawing, project, Worksheet, Pac-man Game	Quiz	Real Life Examples
5	M.II.c.1.	Skip Counting and Number Patterns: Counting Like Coins	Coins Worksheets Colored Pencils Stickers	Counting Like Coins, Create number patterns	Fill in the blank worksheet	
6	M.I.a.1.	Counting Mixed Coins-Different Combinations	Coins Worksheets Money BINGO	Dime/penny, Nickel/penny, Quarter/penny, Dime/ Nickel, Dime/Nickel/Penny, All coins, Students create their own money cards	Variety of worksheets	Students buy a beverage from the vending machine using mixed coins
7	M.I.a.1.	Counting Mixed Bills	Sample Money Sample Store Products	Students make purchases from the sample store. Worksheets	Quiz	Field Trip: Make a purchase outside of school using the correct bills
8	M.I.a.2. M.I.b.1.	Addition of Two digit numbers w/o regrouping	Blocks Pennies Worksheets Scrap Paper Whiteboards Graph Paper	Bellwork, Worksheets	Quiz	Adding Coins Adding Objects



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9	M.I.a.2. M.I.b.1.	Subtraction of two digit numbers w/o regrouping.	Blocks Pennies Worksheets Scrap Paper Whiteboards Graph Paper	Bellwork, Worksheets, Adding People Game	Quiz	Subtracting Coins Subtracting Objects
10	M.I.a.2. M.I.b.1.	Word Problems with + and -.	Worksheets Highlighters	Students create key-word flashcards. Students create word problems. Flashcard review game	Quiz	
11	M.III.b.2.	Place Value of Whole Numbers (up to thousands)	Blocks Place value flip chart	Worksheets, Matching Game	Quiz	
12	M.III.b.2.	Place Value to Hundredths Place	Blocks Place value flip chart	Worksheets, Matching Game	Quiz	
13	E.I.b.1. W.V.b.1.ii.	Using words to write numbers	PowerPoint	Write the numeral for the number, Create a number spelling cheat sheet	Quiz	
14	E.I.b.1. W.V.b.1.ii.	Check Writing Why is it important?	Sample Checks Number spelling chart cheat sheet	Signature writing activity, Date writing activity	Check writing project	Find prices of items to write check amounts
15	M.III.c.1.	Rounding to Nearest 10	Base ten blocks Number Grid PowerPoint	Worksheets, Around the World Game	Quiz	
16	M.III.c.1.	Rounding to Nearest	Base ten	Worksheets,	Quiz	



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		100	blocks Number Grid PowerPoint	Around the World Game		
17	M.III.c.1.	Rounding to nearest 10 or 100 within number.	Place value chart Highlighter Whiteboard	Jeopardy Game, Around the World Game, Worksheets	Rounding Test	
18	M.III.c.1.	Round to Nearest Bill	Picture of sale items Money Worksheets	Round items to nearest bill, Worksheet	Buy lunch Quiz Worksheet	Use nearest bill to buy lunch in school.
19	M.III.c.1.	Dollar Over Method	Money, Worksheets,	Worksheets, Field trip into the community to buy lunch.	Restaurant Trip	Field Trip: to a restaurant and use dollar over method to make purchases
20	M.III.c.1.	Estimation	Whiteboard, Timer Worksheet	“Minute to Win it” game (The students have to tell if an answer is close or not 30 problems in 60 seconds).	Quiz	
21	M.I.a.2.	Addition of Two Digit Numbers with Regrouping	Base Ten Blocks Whiteboard	Worksheets, Base Ten Blocks	Quiz	
22	M.I.a.2.	Subtraction of Two Digit Numbers w/ Regrouping	Base Ten Blocks Whiteboard	Worksheets, Base Ten Blocks	Quiz	
23	M.I.a.1.	Counting Change from a stated number.	Cash Register, Coins	Learn to count up to a dollar,	Students will need to give accurate	Use cash register to



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				Start with bills and move to coins.	change from 5 purchases.	give change.
24	M.I.a.1.	Making Change from a purchase.	Cash Register, Coins	Learn to count up to a dollar, Start with bills and move to coins.	Students will need to give accurate change from 5 purchases.	Use cash register to give change.
25	M.I.a.1.	Multiplication Concept	White board, Blocks, Worksheet	Students will use white boards to draw multiplication problems (3x5 means 3 groups of 5).	Drawing worksheet.	
26	M.I.a.1.	Memorizing Multiplication Facts 0,1,2,3,5,10	Flashcards, Worksheet, Timer	Students will create their own flashcards.	Timed multiplication quizzes. Pre and post test.	
27	M.I.a.1.	Division Concept	White board, Blocks, Worksheets.	Students will use white boards to draw division problems (15/5 means: How many groups of 5 are in 15?)	Drawing worksheet.	
28	M.I.a.1. M.III.b.1.	Using Multiplication and Division Chart for numbers 1 to 100.	Worksheet, White board	Students will create multiplication chart, Students will use multiplication chart to solve multiplication and division problems, Around the world game.	Quiz Around the World game Multiplication Chart	
29	M.I.a.1.	Using a calculator to perform basic	Calculator, Overhead	Calculator, Worksheets,	Quiz	



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		operations with whole numbers.	Calculator, White Board	Step by step problems.		
30	M.I.a.1.	Using a calculator to perform basic operations with money.	Calculator, Overhead Calculator, White Board	Calculator, Worksheets, Step by step problems.	Quiz	Find Change from a purchase. Bring in receipts.
31	M.I.a.3.	Telling time: Nearest hour, $\frac{1}{2}$ hour, $\frac{1}{4}$ hour, 5 min and minute.	Whiteboard, White board clock Problem cards Worksheets Blank Clock Faces	Worksheets, Students will create their own clocks.	Test on telling time.	
32	M.I.a.3.	Passage of Time: How many hours have passed?	Time Sheets, Whiteboard Clock Items to purchase.	Worksheets, Students will fill out time sheets to determine how many hours they have worked.	Time Sheets	Students will earn classroom money for each hour worked.
33	M.I.a.3.	Passage of time: $\frac{1}{2}$ hour and $\frac{1}{4}$ hour.	Time Sheets, Whiteboard Clock Items to purchase.	Worksheets, Students will fill out time sheets to determine how many hours they have worked.	Time Sheets	Students will earn classroom money for each hour worked.
34	M.I.a.3.	Time Remaining	Problem cards, Whiteboards	Worksheets	End of Time Unit Test	Students will determine how much time is left in each day.



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35	M.I.a.2. M.I.a.1. M.I.b.2.	Wages	PowerPoint on Wages, Timesheet	Students will learn the laws on how much they're allowed to work. Determine how much the students have earned from a time sheet.	Timesheet	Students will earn classroom money for each hour worked.
36	M.I.a.1. M.I.b.2.	Budgeting	Rubric, Budgeting Project CD Computer Poster Board	If I had a million dollars? Need and Want Poster .crown.	Project	Students will find ads from the community.
37	M.I.a.1. M.I.b.2.	Word Problems with x and /.	Worksheets Highlighters	Students create key-word flashcards. Students create word problems. Flashcard review game	Quiz	
38	M.I.a.1.	Commutative Property	Blocks, Whiteboard, Worksheet, Flashcards, Index Card	Students create flashcards that demonstrate the commutative property.	Flashcard Project	
39	M.III.a.1.	Distributive Property	Blocks, Whiteboard, Worksheet, Flashcards, Index Card	Worksheets, Brain pop video	Quiz	
40	M.V.a.1. M.III.d.6.	Number Line: Positive and Negative	White board, number line,	Students will create their own number line.	Quiz	Read a thermometer



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		Numbers	Worksheets, Money	Students will learn to read thermometer.		in different locations.
41		Performing basic operations with integers.	Whiteboard Flashcards Calculator Thermometer	Worksheets, PowerPoint on Integers	Quiz	
42	M.III.a.1	Introduction to Fractions	Fraction Puzzles Whiteboards Paper	Students will create fraction transparency overlays. Football field game. “Doorbell Ring “	Fraction Transparency overlay.	
43	M.III.a.1. M.III.b.2	Comparing Fractions: Greater or Less than.	Fraction Puzzles; White boards Worksheet Blocks	Students will create different size fractions and compare sizes. Students will divide a group of blocks into parts for fractions. (Ex. 1/3 or 9 is 3.)	Fraction quiz	Recipes
44	M.III.b.1.	Adding and subtracting fractions with common denominators.	Whiteboard Fraction Puzzles	Smartboard fraction animation.	Fractions	
45	M.III.a.1. M.III.b.1.	Performing basic operations with fractions using a calculator.	Whiteboard Calculator Overhead Calculator	Worksheets, Whiteboard	Test	
46	M.III.a.1.	Improper to Mixed Fractions	Fraction Pie Puzzle	Students will create fraction puzzle. Transfer improper fractions to mixed	Fraction Puzzles	



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				fraction.		
47	M.III.a.1.	Simplifying Fractions	Calculator Fraction Puzzles	Using Fraction puzzle to simplify fraction.	Quiz	
48	M.I.a.1.	What are %? Converting Fractions to %. (1/100, 1/20, 1/10, 1/4)	Coins How many coins are in a dollar?	Using money: Practice skip counting and determining coin values.	Worksheet on Converting Fractions to %?	
49	M.I.a.3.	Converting % in decimals.	Coins Calculator Coupons	Use overhead calculator to show students how to enter a fraction into the calculator. Use the example of money to demonstrate how $10\% = .10$	Quiz	
50	M.I.b.1.	Calculating the % of a given number.	Calculator Number Invader Video Game Computers	Use common % to demonstrate % of a given number. Worksheets	Quiz	
51	M.I.b.1. M.I.c.1.	Teaching the concept of 100% and beyond.	Calculator	Worksheet on 100% and beyond.	Quiz	
52	M.I.c.1.	Calculating Tax and Tip.	Calculator Receipts Menus Cheat sheet for wallet.	Menu Math, Calculator, Have students from the VAST room come in and talk about why tipping is important? Interview parents on	Community trip to practice tipping and paying for tax.	Calculate tax and tip for a restaurant purchase.



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				tipping. How much and who?		
53	M.I.c.1.	Using coupons and figuring out discounts.	Coupons Calculator	Worksheet to help determine how much money we would save with a coupon. .couponchief. .couponsuzy.	Project	
54	M.I.c.1.	Calculating Interest	Adds from various banks to find best interest rates. Credit Card Interest	PowerPoint on interest, Project: How much interest different accounts will pay? How much money do credit card companies charge? http://www.crown.org/	Project:	Bank field trip
55	M.II.b.3.	Creating Data Table	Data Table Calculator	Interview 20 people about their favorite ...	Project: Create data table	
56	M.II.f.1. M.II.c.1. M.II.b.1.	Calculating mean, median, mode, and range.	Data Stats Computers Newspaper	Project on calculating basketball stats. How many points a game? Students can do their own or favorite player.	Project	
57	M.II.b.3.	Graphing Intro: Learning types of graphs.	PowerPoint	PowerPoint Worksheet on different types of graphs.	Quiz	Find graph in newspaper.
58	M.II.b.3.	Pictographs: Reading	PowerPoint	PowerPoint, Worksheet on pictograph	Quiz	Find graph in newspaper.



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59	M.II.b.3.	Pictographs: Creating	Paper Stickers Markers	Students will collect data on a subject and create a pictograph.	Graph	
60	M.II.b.3.	Line Graph: Reading	PowerPoint	PowerPoint, Worksheet on line graph	Quiz	Find graph in newspaper.
61	M.II.b.3.	Line Graph: Creating	Graph Paper Stickers Markers	Students will collect data on a subject and create a Line graph.	Graph	
62	M.II.b.3.	Bar Graph: Reading and Creating	PowerPoint	PowerPoint, Worksheet on bar graph	Quiz	Find graph in newspaper.
63	M.II.b.3.	Pie Chart: Reading and Creating	Paper Stickers Markers	Students will collect data on a subject and create a pie chart.	Graph	
64	M.II.b.3. M.II.c.2.	Using Excel to create graphs.	Computer Data chart	Students will collect data on a subject and learn to create all three graphs using Excel.	Create 3 different graphs using the same data.	
65	M.IV.a.2.	What are Variables? Solving problems with known variables.	Flashcard Blocks Calculator	Use flashcards to tactilely show how a variable can be changed to a number.	Worksheets	
66	M.IV.a.2.	Solving for Unknown variables using addition and subtraction.	Flashcard Blocks Calculator	Use flashcards to tactilely show how a variable can be changed to a number.	Worksheets	
67	M.IV.a.2.	Solving for unknown variables using multiplication and division.	Flashcard Blocks Calculator	Use flashcards to tactilely show how a variable can be changed to a number.	Worksheets	



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68	M.IV.a.2.	Solving for unknown variables; (Mixed operations)	Flashcard Blocks Calculator	Use flashcards to tactilely show how a variable can be changed to a number.	Unit Test on Variables	
69	M.III.d.4. M.III.d.5. M.III.d.7.	Exponent's concept: Using a calculator to solve problems with exponents.	Blocks, Flashcards Whiteboards PowerPoint	PowerPoint on Exponents, Around the world game, Create square flashcards	Quiz on memorizing squares of numbers 0-10.	As a class, determine where exponents are used in real life.
70	M.I.a.2.	Associative Property	Whiteboard Calculator	PowerPoint, Worksheets,	Quiz	
71	M.I.b.2.	Order of operations: 2 operations.	Whiteboard Flashcards	PowerPoint, "Sandwich Game" What comes next?(game) Students create their own order of operations mnemonic device.	Quiz Order of operations mnemonic device.	
72	M.I.c.1.	Order of operations: 3 operations.	Whiteboard Flashcards	PowerPoint, worksheets	Quiz	
73	M.IV.a.2	Solving for 2 unknown variables.	Flashcard: Blocks Calculator	Use flashcards to tactilely show how a variable can be changed to a number.	Worksheets	
74	M.I.c.1	Ratios	School stat sheet	Students will turn various school demographics into	School ratio example project. Newspaper	Find ratios in newspaper.



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				ratios. Find ratios in newspapers and the students explain them.	examples.	
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