



## Course Outline

Literacy Game Name	Topic Area	Game Overview	Learning Objectives <i>Students will be able to...</i>
<b>Word Catcher</b>	Spelling	Students are given three versions of the same word, one spelled correctly and two misspelled, and must identify the correctly spelled word.	<ul style="list-style-type: none"> <li>• identify correct and incorrectly spelled grade-appropriate words</li> <li>• apply knowledge of common spelling patterns</li> </ul>
<b>Major League Memory</b>	Phonemic awareness	Students play a game of memory in which they match pairs of words that either rhyme or start or end with the same sound.	<ul style="list-style-type: none"> <li>• demonstrate phonemic awareness of common letters and sounds</li> </ul>
<b>Context Crusher</b>	Reading comprehension Vocabulary	Students are given a complete sentence with one advanced word highlighted. They must choose a synonym of the highlighted word out of four options.	<ul style="list-style-type: none"> <li>• analyze sentence context to infer meaning of new vocabulary words</li> </ul>
<b>Build a Word</b>	Prefixes Suffixes Root words	Students complete an incomplete sentence by building a word out of common prefixes, suffixes, and roots.	<ul style="list-style-type: none"> <li>• recognize and define common prefixes, suffixes, and roots</li> <li>• construct words from smaller parts to express meaning</li> </ul>
<b>Word Match</b>	Synonyms Antonyms	Students play a game of memory in which they match pairs of words that are either synonyms or antonyms.	<ul style="list-style-type: none"> <li>• compare and contrast vocabulary words based on meaning</li> </ul>
<b>Riddle Hitters</b>	Reading comprehension Vocabulary	Students are shown the answer to a riddle, and must create the question part of the riddle from word puzzle pieces.	<ul style="list-style-type: none"> <li>• produce grammatically and semantically correct sentences that convey a desired meaning</li> </ul>
<b>Grammar Slammer</b>	Verb tense Prepositions Interjections Conjunctions	Students are given a sentence with a missing word and must select a word out of four options that correctly completes the sentence.	<ul style="list-style-type: none"> <li>• create complete, grammatically correct sentences</li> <li>• distinguish between different verb tenses and different parts of a sentence</li> </ul>
<b>Word Lineup</b>	Shades of meaning	Students organize words from a bank into an order based on their meanings.	<ul style="list-style-type: none"> <li>• compare related words to one another based on meaning</li> </ul>

<b>Used But Confused</b>	Spelling Vocabulary Verb tense	Students are given a sentence with a missing word and must select a word out of three commonly confused options that correctly completes the sentence.	<ul style="list-style-type: none"> <li>distinguish between words that are commonly confused with one another based on spelling or meaning</li> </ul>
<b>Sentence Slugger</b>	Punctuation Capitalization Titles of works	Students are given a sentence with a missing chunk of words, and must select the words and punctuation that correctly complete the sentence.	<ul style="list-style-type: none"> <li>create sentences that demonstrate proper use of commas, capitalization, italics, and quotation marks</li> <li>Identify and apply common rules of grammar and style</li> </ul>

<b>Math Game Name</b>	<b>Topic Area</b>	<b>Game Overview</b>	<b>Learning Objectives</b> <i>Students will be able to...</i>
<b>Number Lineup</b>	Units of measurement	Students are given a bank of numbers with accompanying units, and must order the numbers and units from smallest to largest.	<ul style="list-style-type: none"> <li>compare values and units of measurement</li> </ul>
<b>Round the Bases</b>	Place value – rounding	Students must round a given number to the nearest given benchmark and select the correct response out of four options.	<ul style="list-style-type: none"> <li>express numbers in terms of their closest benchmark number</li> </ul>
<b>Number Zone</b>	Comparing values	Students select whether a given number is greater than, less than, or equal to a second number.	<ul style="list-style-type: none"> <li>compare values of decimals, fractions, and up to 5-digit whole numbers</li> </ul>
<b>Fraction Fastball</b>	Adding and subtracting fractions and decimals	Students are given a simple equation involving either addition or subtraction of fractions or decimals. They must use benchmark numbers to estimate the sum or difference of the given values.	<ul style="list-style-type: none"> <li>identify benchmark numbers for fractions and decimals</li> <li>estimate the solution to simple equations involving fractions or decimals</li> </ul>

<b>Pick Your Pitch</b>	Identifying equivalent quantities	Students are given a quantity in pictorial, fraction, decimal, or percentage form, and must identify all equivalent quantities from an array of options.	<ul style="list-style-type: none"> <li>compare and contrast values that are expressed in different forms</li> </ul>
<b>Factor Fielding</b>	Factors and multiples	Students are given a number and must identify either all fraction pairs or multiples of that number.	<ul style="list-style-type: none"> <li>recognize and apply knowledge of patterns to find factors and multiples</li> <li>perform basic multiplication calculations with up to 3-digit numbers</li> </ul>
<b>Polygon Pitch</b>	Geometry Properties of shapes	Students are shown a shape or other geometric figure and must categorize it based on its properties.	<ul style="list-style-type: none"> <li>analyze properties of geometric figures</li> <li>categorize geometric figures based on their properties</li> </ul>
<b>Shape Strike Out</b>	Geometry Categories of shapes	Students are shown a geometric shape and must select one or multiple categories that shape falls into.	<ul style="list-style-type: none"> <li>analyze properties of geometric figures</li> <li>categorize geometric figures in multiple ways based on their properties</li> </ul>
<b>Pattern Play</b>	Completing patterns	Students are shown a pictorial or numerical pattern with one missing item, and must select the item that will complete the pattern from three options.	<ul style="list-style-type: none"> <li>analyze series of items to determine patterns</li> <li>identify items that complete given patterns</li> </ul>
<b>Math Catcher</b>	Arithmetic	Students complete a basic arithmetic equation involving addition, subtraction, multiplication, or division, by selecting the correct item from a bank of options .	<ul style="list-style-type: none"> <li>demonstrate knowledge of basic arithmetic operations</li> <li>apply common arithmetic equations to perform mental math</li> </ul>

Series	Literacy Game	Math Game
1	Word Catcher	Number Zone
2	Major League Memory	Match Catcher
3	Context Crusher	Pick Your Pitch
4	Build a Word	Polygon Pitch
5	Word Match	Number Lineup
6	Riddle Hitters	Pattern Play
7	Word Catcher	Factor Fielding
8	Major League Memory	Number Zone
9	Grammar Slammer	Pick Your Pitch
10	Word Lineup	Polygon Pitch
11	Context Crusher	Match Catcher
12	Word Catcher	Factor Fielding
13	Major League Memory	Pattern Play
14	Grammar Slammer	Fraction Fastball
15	Build a Word	Shape Strike Out
16	Riddle Hitters	Round the Bases
17	Context Crusher	Match Catcher
18	Build a Word	Fraction Fastball

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19	Word Match	Pick Your Pitch
20	Word Lineup	Pattern Play
21	Used But Confused	Polygon Pitch
22	Word Match	Factor Fielding
23	Grammar Slammer	Number Zone
24	Context Crusher	Number Lineup
25	Riddle Hitters	Shape Strike Out
26	Sentence Slugger	Pattern Play
27	Grammar Slammer	Fraction Fastball
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29	Word Lineup	Match Catcher
30	Sentence Slugger	Pick Your Pitch
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