

Math: Grades 7-9

Think outside the worksheet! Visual models, hands on activities & interactive games will keep the practice paperless and help you develop a deeper understanding of math concepts. Learn mental strategies and improve your ability to solve math problems through our engaging week long programs.

1 BLOCK ONE: 8:45 AM - 10:30 AM

2 BLOCK TWO: 10:45 AM - 12:30 PM



**Language Arts:
 Grades 7-9**

Find your voice and take your writing to a whole new level. Express who you are and connect with others as you practice purposeful real world reading and writing!

1 BLOCK ONE: 8:45 AM - 10:30 AM

2 BLOCK TWO: 10:45 AM - 12:30 PM

JULY 6-10 PART A \$99	JULY 13-17 PART B \$99	JULY 20-24 PART C \$99	JULY 27-31 PART D \$99
Write for real life: Use your personal voice to write letters, tweets, journal entries, personal notes, blog posts, advertisements or opinions.	Write to express and reflect: Ponder your experiences, influences, favorite books and movies. Use these for writing personal responses, monologues, poetry and memoirs.	Write to inform and explain: Write like a journalist! Gather eyewitness testimonies, write newspaper articles, devise blog posts and create survival stories. Try your hand at how-to articles, letters of complaint and informative essays.	Write to evaluate and judge: Learn to evaluate different perspectives. What cell phone should you buy? Which game console is better? Experience practical writing as you write essays to evaluate and judge.

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GRADE	JULY 6-10 PART A \$99	JULY 13-17 PART B \$99	JULY 20-24 PART C \$99	JULY 27-31 PART D \$99
7	1 Equations and Graphing Explore patterns and different ways to represent them, including sketching, graphing, story-telling, making tables of value and writing equations.	1 Fractions, Ratios and Percentages Work with fractions, ratios and percents in a variety of contexts, through hands-on activities, problem-solving activities and games.	1 Algebraic Thinking Explore algebra and numbers through a variety of activities, and practise your skills through problem-solving activities and games.	1 Place Value, Operations and Mental Math Strategies Learn strategies and strengthen your ability to do mental math with different types of numbers, including very large numbers, smallll numebrs (decimals), and integers.
8	1 Equations and Graphing Explore patterns and different ways to represent them, including sketching, graphing, story-telling, making tables of value and writing equations.	1 Fractions, Ratios, Rates and Percentages Work with fractions, ratios, rates and percentages in a variety of contexts, through hands-on activities, problem-solving activities and games.	1 Algebraic Thinking Explore algebra and numbers through a variety of activities, and practise your skills through problem-solving activities and games.	1 Integers, Operations and Mental Math Strategies Learn strategies and strengthen your ability to do mental math with different types of numbers, including very large numbers, smallll numebrs (decimals), and integers.
9	2 Polynomials Explore polynomials and learn to combine them through hands-on activities. Practice your understanding through problem-solving and games.	2 Rational Numbers and Mental Math Strategies Get better at doing math in your head! Do mental math with different kinds of numbers, including fractions, integers and decimals.	2 Powers and Square Roots Learn to work with exponents and square roots in a number of different contexts. We'll cover area, volume and the Pythagorean theorem. Explore exponent laws through hands- on and problem-solving activities.	2 Algebra, Linear Equations and Graphing Explore linear patterns and different ways to represent them, including sketching, graphing, story-telling, making tables of value and writing equations.

7	2 Discover various forms and genres and their key characteristics, and explore surprising and playful use of language. Distinguish between formal and informal written language.	2 Express personal understandings of ideas and information based on your own knowledge and experiences. Distinguish between fact and opinion and follow the development of argument and opinion.	2 Consider audience, purpose, point of view and form when focusing on topics for investigation. Obtain information from a variety of sources and distinguish between fact and opinion. Assess the quality of information and address information gaps.	2 Plan and organize data collection based on instructions. Obtain information from a variety of sources to explore research questions. Then connect new information with prior knowledge to build new understanding.
8	2 Compare the usefulness of different types of texts and identify creative use of language in popular culture. Find out how imagery and figurative language create tone and mood.	2 Seek out and consider diverse ideas, opinions and experiences to develop and extend your own ideas, opinions and experiences. Create texts related to issues encountered in your own life.	2 Experiment with ways to focus a topic and choose a form that is appropriate for your audience and purpose. You'll learn to record key ideas from texts, avoiding overuse of quotations.	2 Choose a plan to access, gather and record information. Obtain information from a variety of sources and evaluate the relevance and importance of information. Finally, incorporate new information with prior knowledge and experiences to develop new understanding.
9	1 Evaluate the effectiveness of types of texts for presenting ideas and information. Analyze creative uses of language in popular culture and recognize how imagery and figurative language create a dominant impression.	1 Explore and explain how interactions with others affect personal understandings. Generalize from your own experience to create texts on a theme.	1 Synthesize ideas and information from a variety of sources. Learn to distinguish between primary and secondary sources and determine their usefulness. We'll discuss how to evaluate the usefulness, quality and completeness of gathered information and address information gaps.	1 Choose information sources that will provide effective support, convincing argument or unique perspectives. Obtain information reflecting multiple perspectives and sources when conducting research. Then reflect on a new understanding and its value to self and others.