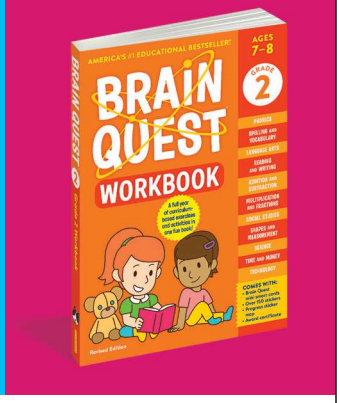
BRAIN QUEST®



Brain Quest Workbook: Second Grade

GRADE	2	PHONICS	CCSS ELA LITERACY Reading: Foundational Skills
	RF.2.3	Know and apply grade-level phonics and word analysis skills in decoding words.	
		LANGUAGE ARTS	**CCSS ELA LITERACY Language**
	L.2.1.b	Form and use frequently occurring irregular plural nouns (e.g., feet, children, teeth, mice, fish).	
	L.2.1.d	Form and use the past tense of frequently occurring irregular verbs (e.g., sat, hid, told).	
	L.2.2	Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	
		READING	**CCSS ELA LITERACY Reading: Literature**
	RL.2.1	Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.	
	RL.2.2	Recount stories, including fables and folktales from diverse cultures, and determine their central message, lesson, or moral.	
	RL.2.3	Describe how characters in a story respond to major events and challenges.	
	RL.2.5	Describe the overall structure of a story, including describing how the beginning introduces the story and the ending concludes the action.	
		WRITING	**CCSS ELA LITERACY Writing**
	W.2.1	Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words (e.g., because, and, also) to connect opinion and reasons, and provide a concluding statement or section.	
	W.2.3	Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.	

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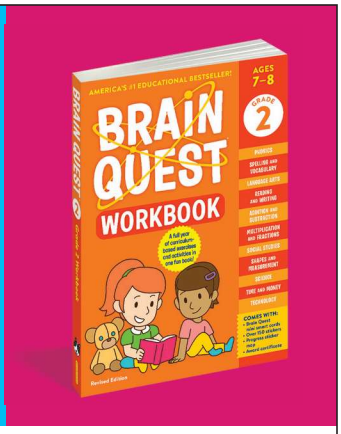

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GRADE 2	MATH SKILLS	CCSS MATH Number and Operations in Base Ten
2.NBT.A.1	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases:	
2.NBT.A.1.a	100 can be thought of as a bundle of ten tens—called a "hundred."	
2.NBT.A.1.b	The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).	
2.NBT.A.2	Count within 1000; skip-count by 5s, 10s, and 100s.	
2.NBT.A.4	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.	
2.NBT.B.5	Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	
2.NBT.B.6	Add up to four two-digit numbers using strategies based on place value and properties of operations.	
2.NBT.B.7	Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.	

	SCIENCE	NEXT GENERATION SCIENCE STANDARDS (NGSS)
2-ESS2-2	**Earth's Systems** Develop a model to represent the shapes and kinds of land and bodies of water in an area.	
2-ESS2-3	Obtain information to identify where water is found on Earth and that it can be solid or liquid.	
2-PS1-1	**Structure and Properties of Matter** Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	
2-LS2-1	**Ecosystems: Interactions, Energy, and Dynamics** Plan and conduct an investigation to determine if plants need sunlight and water to grow.	
2-LS2-2	Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.	

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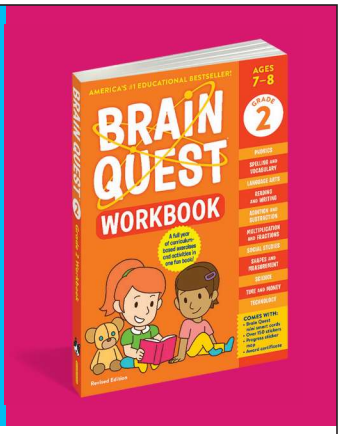

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GRADE 2	SOCIAL STUDIES	CCSS ELA LITERACY Reading: Informational Text
RI.2.3	Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	
RI.2.10	By the end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 2–3 text complexity band proficiently, with scaffolding as needed at the high end of the range.	

	TECHNOLOGY	COMPUTER SCIENCE STANDARDS (CSTA)
1A-AP-09	**Algorithms & Programming** Model the way programs store and manipulate data by using numbers or other symbols to represent information.	
1A-AP-10	Develop programs with sequences and simple loops, to express ideas or address a problem.	
1A-CS-01	**Computing Systems** Select and operate appropriate software to perform a variety of tasks, and recognize that users have different needs and preferences for the technology they use.	
1A-NI-04	**Networks & the Internet** Explain what passwords are and why we use them, and use strong passwords to protect devices and information from unauthorized access.	

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