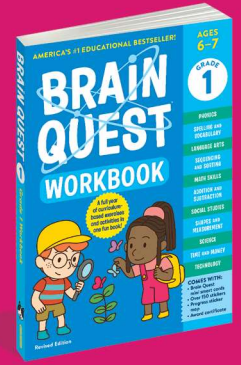


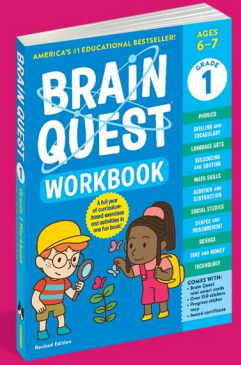
# BRAIN QUEST®



## Brain Quest Workbook: First Grade

GRADE	1	PHONICS	CCSS ELA LITERACY Reading: Foundational Skills
	RF.1.2	Demonstrate understanding of spoken words, syllables, and sounds (phonemes).	
	RF.1.2.a	Distinguish long from short vowel sounds in spoken single-syllable words.	
	RF.1.3	Know and apply grade-level phonics and word analysis skills in decoding words.	
		SPELLING	CCSS ELA LITERACY Reading: Foundational Skills
	RF.1.3.a	Know the spelling-sound correspondences for common consonant digraphs.	
	RF.1.3.b	Decode regularly spelled one-syllable words.	
		VOCABULARY	CCSS ELA LITERACY Reading: Foundational Skills and Language
	RF.1.3.a	Know the spelling-sound correspondences for common consonant digraphs.	
	RF.1.3.b	Decode regularly spelled one-syllable words.	
	L.1.5.a	Sort words into categories (e.g., colors, clothing) to gain a sense of the concepts the categories represent.	
		LANGUAGE ARTS	CCSS ELA LITERACY Reading: Foundational Skills and Language
	RF.1.3.a	Know the spelling-sound correspondences for common consonant digraphs.	
	RF.1.3.b	Decode regularly spelled one-syllable words.	
	L.1.5.a	Sort words into categories (e.g., colors, clothing) to gain a sense of the concepts the categories represent.	
	L.1.1.f	Use frequently occurring adjectives.	
	L.1.2.b	Use end punctuation for sentences.	

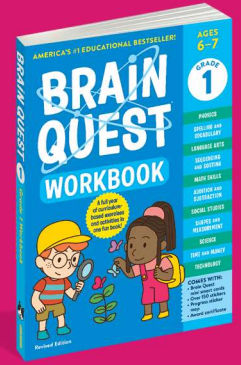
# BRAIN QUEST®



## Brain Quest Workbook: First Grade

GRADE	1	READING	CCSS ELA LITERACY Reading: Literature
	RL.1.1	Ask and answer questions about key details in a text.	
	RL.1.3	Describe characters, settings, and major events in a story, using key details.	
	RL.1.4	Identify words and phrases in stories or poems that suggest feelings or appeal to the senses.	
		WRITING	CCSS ELA LITERACY Language
	L.1.1.a	Print all upper- and lowercase letters.	
	L.1.2	Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	
		MATH SKILLS	CCSS MATH Numbers and Operations in Base Ten
	1.NBT.A.1	Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.	
	1.NBT.B.2	Understand that the two digits of a two-digit number represent amounts of tens and ones.	
	1.NBT.B.3	Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$ , $=$ , and $<$ .	
		ADDITION AND SUBTRACTION	CCSS MATH Operations and Algebraic Thinking
	1.OA.5	Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).	
	1.OA.6	Add and subtract within 20, demonstrating fluency for addition and subtraction within 10.	
		SHAPES AND MEASUREMENT	CCSS MATH Geometry
	1.G.A.1	Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.	

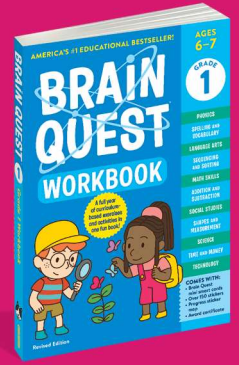
# BRAIN QUEST®



## Brain Quest Workbook: First Grade

GRADE	1	<b>TIME AND MONEY</b>	<b>CCSS MATH</b> Measurement and Data
1.MD.B.3	Tell and write time in hours and half-hours using analog and digital clocks.		
		<b>SOCIAL STUDIES</b>	<b>CCSS ELA LITERACY</b> Reading: Foundational Skills and Reading: Informational Text
RF.1.4.a	Read with sufficient accuracy and fluency to support comprehension.		
RI.1.6	Distinguish between information provided by pictures or other illustrations and information provided by the words in a text.		
		<b>SCIENCE</b>	<b>NEXT GENERATION SCIENCE STANDARDS (NGSS)</b>
1-ESS1-1	<b>Earth's Place in the Universe</b> Use observations of the sun, moon, and stars to describe patterns that can be predicted.		
1-PS4-1	<b>Waves and Their Applications in Technologies for Information Transfer</b> Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.		
1-PS4-3	<b>Waves and Their Applications in Technologies for Information Transfer</b> Plan and conduct investigations to determine the effect of placing objects made with different materials in the path of a beam of light.		
K-ESS2-1	<b>Earth's Systems</b> Use and share observations of local weather conditions to describe patterns over time.		
K-ESS3-3	<b>Earth and Human Activity</b> Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.		
SCIENCE & ENGINEERING PRACTICES #8	<b>Obtaining, Evaluating, and Communicating Information</b> Read grade-appropriate texts and use media to obtain scientific information to determine patterns in the natural world.		

# BRAIN QUEST®



## Brain Quest Workbook: First Grade

GRADE	1	TECHNOLOGY	COMPUTER SCIENCE STANDARDS (CSTA)
1A-AP-09		<b>Algorithms &amp; Programming</b> Model the way programs store and manipulate data by using numbers or other symbols to represent information.	
1A-AP-14			Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.
1A-CS-02		<b>Computing Systems</b> Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware).	
1A-CS-03			Describe basic hardware and software problems using accurate terminology.