

# **Overarching Standards**

## **Reading & Understanding Key Ideas and Details**

3rd Grade: CCSS.ELA-Literacy.R1.3.2: Determine the main idea of a text; recount the key details and explain how they support the main idea.

4th Grade: CCSS.ELA-Literacy.R1.4.2: Determine the main idea of a text and explain how it is supported by key details; summarize the text.

5th Grade: CCSS.ELA-Literacy.R1.5.2: Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.

6th Grade: CCSS.ELA-Literacy.R1.6.1: Cite textual evidence to support analysis of what the text says explicitly, as well as inferences drawn from the text.

7th Grade: CCSS.ELA-Literacy.R1.7.1: Cite several pieces of textual evidence to support analysis of what the text says explicitly, as well as inferences drawn from the text.

8th Grade: CCSS.ELA-Literacy.R1.8.1: Cite the textual evidence that most strongly supports an analysis of what the text says explicitly, as well as inferences drawn from the text.

9th-10th Grade: CCSS.ELA-Literacy.R1.9-10.2: Determine a central idea of a text and analyze its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of a text.

11th-12th Grade: CCSS.ELA-Literacy.R1.11-12.2: Determine two or more central ideas of a text and analyze their development over the course of the text, including how they interact and build on one another to provide a complex analysis; provide an objective summary of the text.

## **Map Reading**

3rd Grade: SS.G.1.3: Locate major landforms and bodies of water on a map or other representation.

4th Grade: SS.G.1.4: Construct and interpret maps (of Illinois and the United States) using various media.

5th Grade: None

6th-8th Grade: SS.G.1.6-8.LC: Use geographic representations (maps, photographs, satellite images, etc) to explain the relationships between the locations (places and regions) and changes in their environment.

9th-12th Grade: SS.G.1.9-12.LC: Use maps (created using geospatial and related technologies, if possible), satellite images, and photographs to display and explain the spatial patterns of physical, cultural, political, economic and environmental characteristics.

### **Interpersonal Skills**

3rd-5th Grade: 2C.2b: Analyze ways to work effectively in groups.

6th-8th Grade: 2C.3b: Demonstrate cooperation and teamwork to promote group effectiveness.

9th-10th Grade: 2C.4b: Evaluate one's contribution in groups as a member and leader.

11th-12 Grade: 2C.5b: Plan, implement, and evaluate participation in a group project.

## **Puzzle Standards**

### **Puzzle #1**

#### **Know and apply the concepts, principles and processes of scientific inquiry: Data Collection**

3rd-5th Grade: 11.A.1c: Collect data for investigations using measuring instruments and technologies.

6th-8th Grade: 11.A.3c: Collect and record data accurately using consistent measuring and recording techniques.

9th-12th Grade: 11.4.4c: Collect, organize, and analyze data accurately and precisely.

## **Puzzle #2**

### **Vocabulary Acquisition**

3rd Grade: CCSS.ELA-Literacy.L.3.4.A: Use sentence-level context as a clue to the meaning of a word or phrase.

4th Grade: CCSS.ELA-Literacy.L.4.4.A: Use context as a clue to the meaning of a word or phrase.

5th Grade: CCSS.ELA-Literacy.L.5.4.A: Use context as a clue to the meaning of a word or phrase.

6th Grade: CCSS.ELA-Literacy.L.6.4.A: Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.

7th Grade: CCSS.ELA-Literacy.L.7.4.A: Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.

8th Grade: CCSS.ELA-Literacy.8.4.A: Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.

9th-10th Grade: CCSS.ELA-Literacy.9-10.4.A: Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.

11th-12th Grade: CCSS.ELA-Literacy.11-12.4.A: Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase.

## **Puzzle #3**

\*As most of this puzzle involves reading the paper in order to figure out where to go next, this puzzle can use the same reading comprehension standards as written above, for each grade level.

## **Puzzle #4**

3rd Grade: CCSS.Math.Content.NBTA.2: Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

4th Grade: CCSS.Math.Content.NBTA.4: Fluently add and subtract multi-digit whole numbers using the standard algorithm.

5th Grade: CCSS.Math.Content.NBTA.5: Fluently multiply multi-digit whole numbers using the standard algorithm.

6th Grade: CCSS.Math.Content.6.NS.B.3: Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.

7th Grade: CCSS.Math.Content.7.NSA.3: Solve real-world and mathematical problems involving the four operations with rational numbers.