

American Careers Planner – 2007
Aligned With Illinois Late Elementary School Learning Standards

Project Title: Your Own History Channel (Career Development)	Project Title: Team Spirit (Teamwork)
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.A.2a Read and comprehend unfamiliar words using root words, synonyms, antonyms, word origins and derivations. 1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses. 1.B.2c Continuously check and clarify for understanding. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions. 	<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses. 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.B.2d Edit documents for clarity, subjectivity, pronoun-antecedent agreement, adverb and adjective agreement and verb tense; proofread for spelling, capitalization and punctuation; and ensure that documents are formatted in final form for submission or publication. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions.

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Project Title: Team Spirit (Teamwork) (continued)	Project Title: Get to the Point (Writing)
<p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p>18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.</p> <p>18.B.2b Describe the ways in which institutions meet the needs of society.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>State Goal 2: Read and understand literature representative of various societies, eras and ideas.</p> <p>2.B.2a Respond to literary material by making inferences, drawing conclusions and comparing it to their own experience, prior knowledge and other texts.</p> <p>2.B.2c Relate literary works and their characters, settings and plots to current and historical events, people and perspectives.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.A.2 Write paragraphs that include a variety of sentence types; appropriate use of the eight parts of speech; and accurate spelling, capitalization and punctuation.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.B.2d Edit documents for clarity, subjectivity, pronoun-antecedent agreement, adverb and adjective agreement and verb tense; proofread for spelling, capitalization and punctuation; and ensure that documents are formatted in final form for submission and/or publication.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p>

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Project Title: Get to the Point (Writing) <i>(continued)</i>	Project Title: Best Sellers Pay (Algebra)
<p>3.C.2b Produce and format compositions for specified audiences using available technology.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.A.2a Read and comprehend unfamiliar words using root words, synonyms, antonyms, word origins and derivations.</p> <p>1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers; including numeration and operations, patterns, ratios and proportions.</p> <p>6.B.2 Solve one- and two-step problems involving whole numbers, fractions and decimals using addition, subtraction, multiplication and division.</p> <p>6.C.2a Select and perform computational procedures to solve problems with whole numbers, fractions and decimals.</p>

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Project Title: Best Sellers Pay (Algebra) (continued)	Project Title: Clear Messages (Key Concepts)
<p>State Goal 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.</p> <ul style="list-style-type: none"> 8.A.2b Construct and solve number sentences using a variable to represent an unknown quantity. 8.D.2 Solve linear equations involving whole numbers. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 1.A.2b Describe how incomes reflect choices made about education and careers. 	<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses. 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2b Identify structure of nonfiction texts to improve comprehension. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process. 4.B.2b Use speaking skills and procedures to participate in group discussions.

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Project Title: Clear Messages (Key Concepts) (continued)	Project Title: Just the Facts (History)
<p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. 	<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2c Continuously check and clarify for understanding. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2d Edit documents for clarity, subjectivity, pronoun-antecedent agreement, adverb and adjective agreement and verb tense; proofread for spelling, capitalization and punctuation; and ensure that documents are formatted in final form for submission and/or publication. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.B.2a Determine the accuracy, currency and reliability of materials from various sources. <p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <ul style="list-style-type: none"> 16.A.2b Compare different stories about a historical figure or event and analyze differences in the portrayals and perspectives they present. 16.B.2d (US) Identify major political events and leaders within the United States historical eras since the adoption of the Constitution.

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Project Title: Just the Facts (History) (continued)	Project Title: Create Your Own Adventure (Research)
<p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards.</p> <p>17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2a Formulate questions and construct a basic research plan.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p>

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Project Title: Create Your Own Adventure (Research) (continued)	Project Title: Entrepreneurship – Travel Agent for Space (Number and Operations)
<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts. 13.B.4b Analyze a particular occupation to identify decisions that may be influenced by a knowledge of science.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States. 15.A.2b Describe how incomes reflect choices made about education and careers.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States. 18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.</p>	<p>State Goal 1: Read with understanding and fluency. 1.B.2c Continuously check and clarify for understanding. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.25 Connect information presented in tables, maps and charts to printed or electronic text.</p> <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions. 6.B.2 Solve one- and two-step problems involving whole numbers, fractions and decimals using addition, subtraction, multiplication and division. 6.C.2a Select and perform computational procedures to solve problems with whole numbers, fractions and decimals.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts. 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 14: Understand political systems, with an emphasis on the United States. 14.E.2 Determine and explain the leadership role of the United States in international settings.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States. 15.C.2c Describe how entrepreneurs take risks in order to produce goods or services.</p>

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<p>Project Title: Are You Listening: (Data Analysis and Probability)</p>	
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2c Continuously check and clarify for understanding. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p> <ul style="list-style-type: none"> 6.A.2 Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols. <p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.</p> <ul style="list-style-type: none"> 10.A.2a Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots and stem-and-leaf graphs. 10.A.2c Make predictions and decisions based on data and communicate reasoning. 10.B.2b Collect, organize and display data using tables, charts, bar graphs, line graphs, circle graphs, line plots and stem-and-leaf graphs. 	<ul style="list-style-type: none"> 10.B.2d Interpret results or make relevant decisions based on the data gathered. 10.C.2b Compare the likelihood of events in terms of certain, more likely, less likely or impossible. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2b Describe the effects on society of scientific and technological innovations. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. 15.B.2a Identify factors that affect how consumers make their choices. <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 18.A.2 Explain ways in which language, stories, folk tales, music, media and artistic creations serve as expressions of culture.

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<p>Project Title: Can Rocks Breathe? (Chemistry)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p> <ul style="list-style-type: none"> 6.B.2 Solve one- and two-step problems involving whole numbers, fractions and decimals using addition, subtraction, multiplication and division. 6.C.2a Select and perform computational procedures to solve problems with whole numbers, fractions and decimals. <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <ul style="list-style-type: none"> 7.A.2a Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems. 	<p>State Goal 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.</p> <ul style="list-style-type: none"> 8.A.2b Construct and solve number sentences using a variable to represent an unknown quantity. 8.D.2 Solve linear equations involving whole numbers. <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <ul style="list-style-type: none"> 12.C.2b Describe and explain the properties of solids, liquids and gases. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.C.2c Describe how entrepreneurs take risks in order to produce goods or services. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards. 17.B.2b Explain how physical and living components interact in a variety of ecosystems.
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<p>Project Title: A Wireless Disconnect (Science, Technology and Society)</p>	
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. 1.C.2f Connect information presented in tables, maps and charts to printed or electronic text. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions. 	<p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. <p>State Goal 12: Understand the fundamental concepts, principals and interconnections of the life, physical and earth/space sciences.</p> <ul style="list-style-type: none"> 12.C.2a Describe and compare types of energy including light, heat, sound, electrical and mechanical. 12.D.2b Demonstrate and explain ways that forces cause actions and reactions. 12.F.2a Identify and explain natural cycles and patterns in the solar system. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.C.2a Describe how natural events in the physical environment affect human activities.

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Project Title: Speaking the Language (Vocabulary)	
<p>State Goal 1: Read with understanding and fluency.</p> <p>1.A.2a Read and comprehend unfamiliar words using root words, synonyms, antonyms, word origins and derivations.</p> <p>1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations form content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p>	<p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2a Formulate questions and construct a basic research plan.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p> <p>5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2a Explain how technology is used in science for a variety of purposes.</p> <p>13.B.2b Describe the effects on society of scientific and technological innovations.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p>18.B.2b Describe the ways in which institutions meet the needs of society.</p>

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<p>Project Title: What Do You Know?</p>	
<p>State Goal 1: Read with understanding and fluency. 1.B.2c Continuously check and clarify for understanding.</p> <p>State Goal 3: Write to communicate for a variety of purposes. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations. 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions. 6.A.2 Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols.</p> <p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability. 10.A.2a Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots and stem-and-leaf graphs. 10.B.2b Collect, organize and display data using tables, charts, bar graphs, line graphs, circle graphs, line plots and stem-and-leaf graphs.</p>	<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States. 18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.</p>

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<p>Project Title: Genetic Power (Life Science)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. 	<p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <ul style="list-style-type: none"> 12.A.2b Categorize features as either inherited or learned. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. 15.E.2a Explain how and why public goods and services are provided. <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community. 18.B.2b Describe the ways in which institutions meet the needs of society.
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<p>Project Title: The Taste of an Area (Culture)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2b Identify structure of nonfiction texts to improve comprehension. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. 1.C.2f Connect information presented in tables, maps and charts to printed or electronic text. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions. 	<p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. <p>State Goal 16: Understand events, trends, individuals and movement shaping the history of Illinois, the United States and other nations.</p> <ul style="list-style-type: none"> 16.A.2c Ask questions and seek answers by collecting and analyzing data from historic documents, images and other literary and non-literary sources. 16.E.2a (W) Describe how people in hunting and gathering and early pastoral societies adapted to their respective environments. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards. 17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments. 17.C.2b Describe the relationships among location of resources, population distribution and economic activities. 17.D.2a Describe how physical characteristics of places influence people's perceptions and their roles in the world over time. <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 18.C.2 Describe how changes in production and population caused changes in social systems.
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<p>Project Title: Playing with Food (Research)</p>	
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.A.2 Write paragraphs that include a variety of sentence types; appropriate use of the eight parts of speech; and accurate spelling, capitalization and punctuation. 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. 3.C.2b Produce and format compositions for specified audiences using available technology. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.A.2b Ask and respond to questions related to oral presentations and messages in small and large group settings. 4.B.2b Use speaking skills and procedures to participate in group discussions. 	<p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.

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Project Title: You, Your - We, Us, Our (Grammar)	Project Title: A High-Dollar Event (Algebra)
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.A.2b Clarify word meaning using context clues and a variety of resources including glossaries, dictionaries and thesauruses. 1.B.2c Continuously check and clarify for understanding. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations form content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 14: Understand political systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 14.A.2 Explain the importance of fundamental concepts expressed and implied in major documents including the Declaration of Independence, the United States Constitution and the Illinois Constitution. 14.B.2 Explain what government does at local, state and national levels. 14.C.2 Describe and evaluate why rights and responsibilities are important to the individual, family, community, work place, state and nation. 	<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. 1.C.2f Connect information presented in tables, maps and charts to printed or electronic text. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific purposes. <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p> <ul style="list-style-type: none"> 6.A.2 Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols. <p>State Goal 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.</p>

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Project Title: A High-Dollar Event (Algebra) (continued)	Project Title: Fizz and Foam (Scientific Inquiry)
<p>8.A.2b Construct and solve number sentences using a variable to represent an unknown quantity.</p> <p>8.D.2 Solve linear equations involving whole numbers.</p> <p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.</p> <p>10.A.2a Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots and stem-and-leaf graphs.</p> <p>10.A.2c Make predictions and decisions based on data and communicate their reasoning.</p> <p>10.B.2d Interpret results or make relevant decisions based on the data gathered.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <p>15.C.2b Identify and explain examples of competition in the economy.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p>18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.</p> <p>18.C.2 Describe how changes in production and population caused changes in social systems.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <p>7.A.2a Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems.</p> <p>7.B.2a Determine and communicate possible methods for estimating a given measure, selecting proper units in both customary and metric systems.</p>

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<p>Project Title: Fizz and Foam (Scientific Inquiry) <i>(continued)</i></p> <p>State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.</p> <ul style="list-style-type: none"> 11.A.2b Collect data for investigations using scientific process skills including observing, estimating and measuring. 11.A.2c Construct charts and visualizations to display data. 11.A.2e Report and display the results of individual and group investigations. <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <ul style="list-style-type: none"> 12.C.2b Describe and explain the properties of solids, liquids and gases. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.A.2b Explain why similar investigations may not produce similar results. 13.A.2c Explain why keeping accurate and detailed records is important. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. 	<p>Project Title: Meeting Basic Needs (Individuals, Groups and Institutions)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2d Edit documents for clarity, subjectivity, pronoun-antecedent agreement, adverb and adjective agreement and verb tense, proofread for spelling, capitalization and punctuation; and ensure that documents are formatted in final form for submission and/or publication. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. 3.C.2b Produce and format compositions for specified audiences using available technology. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations. 4.B.2b Use speaking skills and procedures to participate in group discussions.
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<p>Project Title: Meeting Basic Needs (Individuals, Groups and Institutions) <i>(continued)</i></p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p style="padding-left: 20px;">5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p style="padding-left: 20px;">13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 14: Understand political systems, with an emphasis on the United States.</p> <p style="padding-left: 20px;">14.B.2 Explain what government does at local, state and national levels.</p> <p style="padding-left: 20px;">14.D.2 Explain ways that individuals and groups influence and shape public policy.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <p style="padding-left: 20px;">15.A.2c Describe unemployment.</p> <p style="padding-left: 20px;">15.B.2a Identify factors that affect how consumers make their choices.</p> <p style="padding-left: 20px;">15.E.2a Explain how and why public goods and services are provided.</p> <p style="padding-left: 20px;">15.E.2b Identify which public goods and services are provided by differing levels of government.</p>	<p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <p style="padding-left: 20px;">16.C.2c (US) Describe significant economic events including industrialization, immigration, the Great Depression, the shift to a service economy and the rise of technology that influenced history from the industrial development era to the present.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p style="padding-left: 20px;">18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.</p> <p style="padding-left: 20px;">18.B.2b Describe the ways in which institutions meet the needs of society.</p>
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<p>Project Title: Is There a Job In Your Future? (People, Places and Environments)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. 	<p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.</p> <ul style="list-style-type: none"> 10.A.2a Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots and stem-and-leaf graphs. 10.A.2c Make predictions and decisions based on data and communicate their reasoning. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.C.2b Identify and explain examples of competition in the economy. 15.D.2b Describe the relationships among specialization, division of labor, productivity of workers and interdependence among producers and consumers. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.C.2b Describe the relationships among location of resources, population distribution and economic activities.
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<p>Project Title: Don't Mess With Success (Writing)</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.B.2c Expand ideas by using modifiers, subordination and standard paragraph organization. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. 3.C.2b Produce and format compositions for specified audiences using available technology. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. <p>State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.</p> <ul style="list-style-type: none"> 11.B.3a Identify a design problem and propose possible solutions. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. 	<p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. 15.B.2a Identify factors that affect how consumers make their choices.
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<p>Project Title: Prevention Saves \$\$\$ (Writing)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. 3.C.2b Produce and format compositions for specified audiences using available technology. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. 	<p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <ul style="list-style-type: none"> 12.C.2a Describe and compare types of energy including light, heat, sound, electrical and mechanical. 12.D.2a Explain constant, variable and periodic motions. 12.D.2b Demonstrate and explain ways that forces cause actions and reactions. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.D.2b Describe the relationships among specialization, division of labor, productivity of workers and interdependence among producers and consumers.
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Project Title: Details Matter (Statistics)	
<p>State Goal 1: Read with understanding and fluency. 1.B.2c Continuously check and clarify for understanding.</p> <p>State Goal 3: Write to communicate for a variety of purposes. 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations. 4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability. 10.A.2a Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots and stem-and-leaf graphs. 10.A.2b Using a data set, determine mean, median, mode and range, with and without the use of technology. 10.A.2c Make predictions and decisions based on data and communicate their reasoning. 10.B.2a Formulate questions of interest and select methods to systematically collect data. 10.B.2b Collect, organize and display data using tables, charts, bar graphs, line graphs, circle graphs, line plots and stem-and-leaf graphs. 10.B.2c Analyze the data using mean, median, mode and range, as appropriate, with or without the use of technology. 10.B.2d Interpret results or make relevant decisions based on the data gathered.</p>	<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts. 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States. 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. 15.B.2a Identify factors that affect how consumers make their choices. 15.C.2b Identify and explain examples of competition in the economy.</p>

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Project Title: Downtime Costs (Algebra)	Project Title: Where Does It End? (Environment)
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2c Continuously check and clarify for understanding. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p> <ul style="list-style-type: none"> 6.C.2a Select and perform computational procedures to solve problems with whole numbers, fractions and decimals. <p>State Goal 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.</p> <ul style="list-style-type: none"> 8.A.2a Identify, describe, extend and create geometric and numeric patterns. 8.A.2b Construct and solve number sentences using a variable to represent an unknown quantity. 8.D.2 Solve linear equations involving whole numbers. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. 	<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.A.2a Demonstrate ways to avoid injury when conducting science activities. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. 13.B.2d Compare the relative effectiveness of reducing, reusing and recycling in actual situations.

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Project Title: Where Does It End? (Environment) (continued)	Project Title: Smooth Operation (Chemistry)
<p>13.B.2e Identify and explain ways that technology changes ecosystems.</p> <p>13.B.2f Analyze how specific personal and societal choices that humans make affect local, regional and global ecosystems.</p> <p>State Goal 14: Understand political systems, with an emphasis on the United States.</p> <p>14.B.2 Explain what government does at local, state and national levels.</p> <p>14.D.2 Explain ways that individuals and groups influence and shape public policy.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <p>15.B.2a Identify factors that affect how consumers make their choices.</p> <p>15.B.2c Explain that when a choice is made, something else is given up.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.A.2a Read and comprehend unfamiliar words using root words, synonyms, antonyms, word origins and derivations.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.A.2a Demonstrate understanding of the listening process by summarizing and paraphrasing spoken messages orally and in writing in formal and informal situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <p>7.A.2a Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems.</p> <p>7.B.2a Determine and communicate possible methods for estimating a given measure, selecting proper units in both customary and metric systems.</p> <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <p>12.C.2b Describe and explain the properties of solids, liquids and gases.</p>

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Project Title: Smooth Operation (Chemistry) (continued)	Project Title: The Old Becomes New (History)
<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.A.2b Explain why similar investigations may not produce similar results.</p> <p>13.A.2c Explain why keeping accurate and detailed records is important.</p> <p>13.B.2a Explain how technology is used in science for a variety of purposes.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2a Formulate questions and construct a basic research plan.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p> <p>5.B.2a Determine the accuracy, currency and reliability of materials from various sources.</p> <p>5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes.</p>

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<p>Project Title: The Old Becomes New (History) <i>(continued)</i></p>	
<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2b Describe the effects on society of scientific and technological innovations.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <p>15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them.</p> <p>15.B.2a Identify factors that affect how consumers make their choices.</p> <p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <p>16.A.2c Ask questions and seek answers by collecting and analyzing data from historic documents, images and other literary and non-literary sources.</p> <p>16.C.2c (US) Describe significant economic events including industrialization, immigration, the Great Depression, the shift to a service economy and the rise of technology that influenced history from the industrial development era to the present.</p> <p>16.C.2c (W) Describe basic economic changes that led to and resulted from the manorial agricultural system, the industrial revolution, the rise of capitalism and the information/communication revolution.</p> <p>16.E.2a (W) Describe how people in hunting and gathering and early pastoral societies adapted to their respective environments.</p>	<p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p>18.A.2 Explain ways in which language, stories, folk tales, music, media and artistic creations serve as expressions of culture.</p>

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Project Title: Back to the Earth (History)	
<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2a Formulate questions and construct a basic research plan.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p> <p>5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes.</p> <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <p>12.B.2a Describe relationships among various organisms in their environments.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p>	<p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <p>15.D.2b Describe the relationships among specialization, division of labor, productivity of workers and interdependence among producers and consumers.</p> <p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <p>16.C.2c (US) Describe significant economic events including industrialization, immigration, the Great Depression, the shift to a service economy and the rise of technology that influenced history from the industrial development era to the present.</p> <p>16.D.2b Describe the ways in which participation in the westward movement affected families and communities.</p> <p>16.E.2a (US) Identify environmental factors that drew settlers to the state and region.</p> <p>16.E.2c (US) Describe environmental factors that influenced the development of transportation and trade in Illinois.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards.</p> <p>17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments.</p> <p>17.B.2b Explain how physical and living components interact in a variety of ecosystems including desert, prairie, flood plain, forest, tundra.</p> <p>17.C.2a Describe how natural events in the physical environment affect human activities.</p> <p>17.C.2b Describe the relationships among location of resources, population distribution and economic activities.</p>

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Project Title: Back to the Earth (History) <i>(continued)</i>	Project Title: The Power of Water (Research, Writing)
<p>17.D.2a Describe how physical characteristics of places influence people’s perceptions and their roles in the world over time.</p> <p>17.D.2b Identify different settlement patterns in Illinois and the United States and relate them to physical features and resources.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p>18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community.</p> <p>18.C.2 Describe how changes in production and population caused changes in social systems.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 2: Read and understand literature representative of various societies, eras and ideas.</p> <p>2.A.2b Describe how literary elements are used in literature to create meaning.</p> <p>2.B.2a Respond to literary material by making inferences, drawing conclusions and comparing it to their own experience, prior knowledge and other texts.</p> <p>2.B.2b Identify and explain themes that have been explored in literature from different societies and eras.</p> <p>2.B.2c Relate literary works and their characters, settings and plots to current and historical events, people and perspectives.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purpose and for specified audiences in a variety of forms.</p>

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<p>Project Title: The Power of Water (Research, Writing) <i>(continued)</i></p>	
<p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.B.2a Present oral reports to an audience using correct language and nonverbal expressions for the intended purpose and message within a suggested organizational format.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2a Formulate questions and construct a basic research plan.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p> <p>5.B.2b Cite sources used.</p> <p>5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes.</p> <p>5.C.2b Prepare and deliver oral presentations based on inquiry or research.</p> <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <p>12.E.2a Identify and explain natural cycles of the Earth's land, water and atmospheric systems.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2b Describe the effects on society of scientific and technological innovations.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>13.B.2e Identify and explain ways that technology changes ecosystems.</p> <p>13.B.2f Analyze how specific personal and societal choices that humans make affect local, regional and global ecosystems.</p>	<p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <p>16.A.2c Ask questions and seek answers by collecting and analyzing data from historic documents, images and other literary and non-literary sources.</p> <p>16.E.2b (US) Identify individuals and events in the development of the conservation movement.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.C.2c Explain how human activity affects the environment.</p>

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<p>Project Title: Find the Origin (Research)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. 	<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards. 17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments. 17.B.2a Describe how physical and human processes shape spatial patterns including erosion, agriculture and settlement. 17.B.2b Explain how physical and living components interact in a variety of ecosystems including desert, prairie, flood plain, forest, tundra.
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Project Title: It's the Volume (Computation, Algebra)	
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. 3.C.2b Produce and format compositions for specified audiences using available technology. <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p> <ul style="list-style-type: none"> 6.B.2 Solve one- and two-step problems involving whole numbers, fractions and decimals using addition, subtraction, multiplication and division. 6.C.2a Select and perform computational procedures to solve problems with whole numbers, fractions and decimals. <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <ul style="list-style-type: none"> 7.A.2a Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems. 	<p>State Goal 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.</p> <ul style="list-style-type: none"> 8.A.2b Construct and solve number sentences using a variable to represent an unknown quantity. 8.D.2 Solve linear equations involving whole numbers. <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <ul style="list-style-type: none"> 12.E.2a Identify and explain natural cycles of the Earth's land, water and atmospheric systems. <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. 13.B.2f Analyze how specific personal and societal choices that humans make affect local, regional and global ecosystems. <p>State Goal 14: Understand political systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 14.B.2 Explain what government does at local, state and national levels. 14.D.2 Explain ways that individuals and groups influence and shape public policy.

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<p>Project Title: It's the Volume (Computation, Algebra) (continued)</p> <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. 15.B.2a Identify factors that affect how consumers make their choices. 15.B.2c Explain that when a choice is made, something else is given up. 15.E.2a Explain how and why public goods and services are provided. 15.E.2b Identify which public goods and services are provided by differing levels of government. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.B.2a Describe how physical and human processes shape spatial patterns including erosion, agriculture and settlement. 17.C.2c Explain how human activity affects the environment. <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 18.B.2a Describe interactions of individuals, groups and institutions in situations drawn from the local community. 18.B.2b Describe the ways in which institutions meet the needs of society. 	<p>Project Title: Tomato Production in the United States (Data Analysis and Probability)</p> <p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.B.2c Continuously check and clarify for understanding. 1.C.2a Use information to form and refine questions and predictions. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations form content and relate to purpose of material. 1.C.2f Connect information presented in tables, maps and charts to printed or electronic text. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p> <ul style="list-style-type: none"> 6.A.2 Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols. 6.D.2 Describe the relationship between two sets of data using ratios and appropriate notations.
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<p>Project Title: Tomato Production in the United States (Data Analysis and Probability) <i>(continued)</i></p>	
<p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <p>7.A.2a Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems.</p> <p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.</p> <p>10.A.2c Make predictions and decisions based on data and communicate their reasoning.</p> <p>10.B.2d Interpret results or make relevant decisions based on the data gathered.</p> <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <p>12.B.2a Describe relationships among various organisms and their environments.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 14: Understand political systems, with an emphasis on the United States.</p> <p>14.B.2 Explain what government does at local, state and national levels.</p>	<p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <p>15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them.</p> <p>15.B.2b Explain the relationship between the quantity of goods/services purchased and their price.</p> <p>15.C.2a Describe the relationship between price and quantity supplied of a good or service.</p> <p>15.D.2b Describe the relationships among specialization, division of labor, productivity of workers and interdependence among producers and consumers.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards.</p> <p>17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments.</p> <p>17.B.2a Describe how physical and human processes shape spatial patterns including erosion, agriculture and settlement.</p> <p>State Goal 18: Understand social systems, with an emphasis on the United States.</p> <p>18.B.2b Describe the ways in which institutions meet the needs of society.</p>

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Project Title: The Mathematics of Comparisons (Statistics)	
<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations form content and relate to purpose of material.</p> <p>1.C.2f Connect information presented in tables, maps and charts to printed or electronic text.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p> <p>State Goal 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations, patterns, ratios and proportions.</p>	<p>6.A.2 Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols.</p> <p>6.D.2 Describe the relationship between two sets of data using ratios and appropriate notations.</p> <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <p>7.A.2a Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems.</p> <p>State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.</p> <p>10.A.2c Make predictions and decisions based on data and communicate their reasoning.</p> <p>10.B.2b Collect, organize and display data using tables, charts, bar graphs, line graphs, circle graphs, line plots and stem-and-leaf graphs.</p> <p>10.B.2d Interpret results or make relevant decisions based on the data gathered.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 14: Understand political systems, with an emphasis on the United States.</p> <p>14.B.2 Explain what government does at local, state and national levels.</p>

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Project Title: The Mathematics of Comparisons (Statistics) <i>(continued)</i>	Project Title: Sludge Settles Out (Scientific Investigation, Writing)
<p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <p>16.A.2c Ask questions and seek answers by collecting and analyzing data from historic documents, images and other literary and non-literary sources.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards.</p> <p>17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments.</p> <p>17.B.2a Describe how physical and human processes shape spatial patterns including erosion, agriculture and settlement.</p> <p>17.C.2b Describe the relationships among location of resources, population distribution and economic activities.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <p>7.B.2a Determine and communicate possible methods for estimating a given measure, selecting proper units in both customary and metric systems.</p> <p>State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.</p> <p>11.A.2b Collect data for investigations using scientific process skills including observing, estimating and measuring.</p> <p>11.A.2c Construct charts and visualizations to display data.</p> <p>11.A.2e Report and display the results of individual and group investigations.</p> <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <p>12.C.2b Describe and explain the properties of solids, liquids and gases.</p>

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<p>Project Title: Sludge Settles Out (Scientific Investigation, Writing) <i>(continued)</i></p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts. 13.A.2b Explain why similar investigations may not produce similar results. 13.B.2a Explain how technology is used in science for a variety of purposes. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 14: Understand political systems, with an emphasis on the United States. 14.B.2 Explain what government does at local, state and national levels.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States. 17.C.2c Explain how human activity affects the environment.</p>	<p>Project Title: Bacteria Control (Chemistry)</p> <p>State Goal 1: Read with understanding and fluency. 1.B.2c Continuously check and clarify for understanding. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes. 3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations. 4.A.2b Ask and respond to questions related to oral presentations and messages in small and large group settings. 4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems. 11.a.2a Formulate questions on a specific science topic and choose the steps needed to answer the questions. 11.A.2b Collect data for investigations using scientific process skills including observing, estimating and measuring. 11.A.2c Construct charts and visualizations to display data. 11.A.2e Report and display the results of individual and group investigations.</p> <p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts. 13.A.2b Explain why similar investigations may not produce similar results. 13.B.2a Explain how technology is used in science for a variety of purposes.</p>
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Project Title: Bacteria Control (Chemistry) (continued)	Project Title: Water Through the Ages (History, Cultures)
<p>13.B.2a Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.C.2b Describe the relationships among location of resources, population distribution and economic activities.</p>	<p>State Goal 1: Read with understanding and fluency.</p> <p>1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas.</p> <p>1.B.2b Identify structure of nonfiction texts to improve comprehension.</p> <p>1.B.2c Continuously check and clarify for understanding.</p> <p>1.C.2a Use information to form and refine questions and predictions.</p> <p>1.C.2b Make and support inferences and form interpretations about main themes and topics.</p> <p>1.C.2d Summarize and make generalizations from content and relate to purpose of material.</p> <p>State Goal 3: Write to communicate for a variety of purposes.</p> <p>3.B.2a Generate and organize ideas using a variety of planning strategies.</p> <p>3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience.</p> <p>3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms.</p> <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <p>4.A.2b Ask and respond to questions related to oral presentations and messages in small and large group settings.</p> <p>4.B.2b Use speaking skills and procedures to participate in group discussions.</p> <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <p>5.A.2a Formulate questions and construct a basic research plan.</p> <p>5.A.2b Organize and integrate information from a variety of sources.</p>

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<p>Project Title: Water Through the Ages (History, Cultures) <i>(continued)</i></p> <p>5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes.</p> <p>State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.</p> <p>7.B.2a Determine and communicate possible methods for estimating a given measure, selecting proper units in both customary and metric systems.</p> <p>7.C.2b Construct or draw figures with given perimeters and areas.</p> <p>State Goal 9: Use geometric methods to analyze, categorize and draw conclusions about points, lines, planes and space.</p> <p>9.A.2a Build physical models of two- and three-dimensional shapes.</p> <p>9.A.2b Identify and describe how geometric figures are used in practical settings.</p> <p>9.A.2c Describe and draw representations of geometric relationships, patterns, symmetries and designs in two- and three-dimensions with and without technology.</p> <p>State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p> <p>12.D.2b Demonstrate and explain ways that forces cause actions and reactions.</p> <p>12.E.2a Identify and explain natural cycles of the Earth's land, water and atmospheric systems.</p>	<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <p>13.B.2b Describe the effects on society of scientific and technological innovations.</p> <p>13.B.2c Identify and explain ways that science and technology influence the lives and careers of people.</p> <p>13.B.2e Identify and explain ways that technology changes ecosystems.</p> <p>State Goal 16: Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.</p> <p>16.E.2a (W) Describe how people in hunting and gathering and early pastoral societies adapted to their respective environments.</p> <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <p>17.A.2a Compare the physical characteristics of places including soils, landforms, vegetation, wildlife, climate, natural hazards.</p> <p>17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments.</p> <p>17.B.2a Describe how physical and human processes shape spatial patterns including erosion, agriculture and settlement.</p> <p>17.B.2b Explain how physical and living components interact in a variety of ecosystems including desert, prairie, flood plain, forest, tundra.</p> <p>17.C.2b Describe the relationships among location of resources, population distribution and economic activities.</p>
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<p>Project Title: Consider Other Foods (Production, Distribution and Consumption)</p>	
<p>State Goal 1: Read with understanding and fluency.</p> <ul style="list-style-type: none"> 1.B.2a Establish purposes for reading; survey materials; ask questions; make predictions; connect, clarify and extend ideas. 1.C.2b Make and support inferences and form interpretations about main themes and topics. 1.C.2d Summarize and make generalizations form content and relate to purpose of material. 1.C.2f Connect information presented in tables, maps and charts to printed or electronic text. <p>State Goal 3: Write to communicate for a variety of purposes.</p> <ul style="list-style-type: none"> 3.B.2a Generate and organize ideas using a variety of planning strategies. 3.B.2b Establish central idea, organization, elaboration and unity in relation to purpose and audience. 3.C.2a Write for a variety of purposes and for specified audiences in a variety of forms. <p>State Goal 4: Listen and speak effectively in a variety of situations.</p> <ul style="list-style-type: none"> 4.B.2b Use speaking skills and procedures to participate in group discussions. <p>State Goal 5: Use the language arts to acquire, assess and communicate information.</p> <ul style="list-style-type: none"> 5.A.2a Formulate questions and construct a basic research plan. 5.A.2b Organize and integrate information from a variety of sources. 5.C.2a Create a variety of print and nonprint documents to communicate acquired information for specific audiences and purposes. 	<p>State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p> <ul style="list-style-type: none"> 13.B.2b Describe the effects on society of scientific and technological innovations. 13.B.2c Identify and explain ways that science and technology influence the lives and careers of people. <p>State Goal 15: Understand economic systems, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 15.A.2a Explain how economic systems decide what goods and services are produced, how they are produced and who consumes them. 15.B.2a Identify factors that affect how consumers make their choices. 15.D.2a Explain why people and countries voluntarily exchange goods and services. 15.D.2b Describe the relationships among specialization, division of labor, productivity of workers and interdependence among producers and consumers. <p>State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.</p> <ul style="list-style-type: none"> 17.A.2b Use maps and other geographic representations and instruments to gather information about people, places and environments. 17.C.2b Describe the relationships among location of resources, population distribution and economic activities.