

Hastings Public School's Key Concepts and Essentials

Kool-Aid Laboratory (K-1)

Social Studies/History – Kindergarten

- Identify past events and people
- Identify the past and present through pictures
- Identify ways that people grow and change over time

Science – Kindergarten

- Participate in simple, teacher-facilitated investigations
- Use drawings and words to describe and share the observation of scientific topics
- Observe physical properties of objects

Math – Kindergarten

- Count, read and write numbers

Social Studies/History – Grade 1

- Identify past events and people
- Describe the past and present through pictures and stories
- Identify way that people/cultures change over time
- Identify inventions
- Describe a helpful invention and explain its importance
- Identify needs and wants of most families
- Demonstrate the exchange of money for goods

Science – Grade 1

- Recognize questions that relate to a science topic
- Conduct simple investigations
- Use drawings and words to describe and share observations with others
- Analyze/pay close attention to results/data
- Observe physical properties of objects

Math – Grade 1

- Use objects, drawings, words, and symbols to explain subtraction as a separation action
- Fluently subtract whole number differences from 10

Sea Monsters of Nebraska (1-2)

Science – Grade 1

- Recognize questions that relate to a science topic
- Use simple tools appropriately
- Observe physical properties of objects
- Sort objects by physical attributes
- Measure objects using non-standard and standard units

Science – Grade 2

- Ask questions that relate to a science topic
- Select and use simple tools appropriately
- Describe objects, organisms, or events using pictures, words, and numbers

North American Mammals (1-2)

Science – Grade 1

- Recognize questions that relate to a science topics
- Identify external parts of plants and animals
- Describe how living things change as they grow

Science – Grade 2

- Ask questions that relate to a science topic
- Observe and match plants and animals to their distinct habitats
- Recognize seasonal changes in animals and plants

Plains Indian Family (1-3)

Social Studies/History – Grade 1

- Describe the past and present through pictures and stories
- Describe how the environment influences their food, clothing, shelter, transportation, and recreation

Social Studies/History – Grade 2

- Compare cultures of groups
- Compare changes in daily life past and present
- Demonstrate how different types of shelters are relevant to the environment of Native Americans
- Explain how Native Americans used the resources for daily living

Social Studies/History – Grade 3

- Compare and contrast transportation from past to present
- Identify forms of transportation
- Explain the importance of different forms of transportation throughout history

- Identify changes from past to present

Kool-Aid Kitchen (2-3)

Social Studies/History – Grade 2

- Identify the relationships between people’s choices and their needs and wants

Science – Grade 2

- Ask questions that relate to a science topic
- Conduct simple investigations
- Use drawings and words to describe and share observations with others

Social Studies/History – Grade 3

- Compare and contrast transportation from the past and present
- Identify forms of transportation
- Explain the importance of different forms of transportation throughout history
- Identify changes from past to present
- Identify important people that influenced the development of our community

Science – Grade 3

- Plan and conduct simple investigations and identify scientific questions
- Share and provide feedback on science investigations
- Identify physical properties of matter

Gee! What’s Geology? (3-5)

Science – Grade 3

- Select and use appropriate equipment to make observations and measurements
- Recognize physical properties of matter
- Recognize scientific explanations and discoveries are based on evidence and scientific knowledge
- Describe characteristics of rocks and minerals

Science – Grade 4

- Recognize scientific explanations are based on evidence (data) and knowledge
- Identify materials used from the Earth

Science – Grade 5

- Recognize an explanation based on evidence and scientific knowledge
- Collect and organize data
- Develop a reasonable explanation based on data
- Describe how rapid processes change the Earth’s surface

Corps of Discovery (4-5)

Social Studies/History – Grade 4

- Demonstrate an understanding of how immigration, exploration and westward movement affected the development of the United States

Language Arts – Grade 4

- Students will analyze elements of informational texts
- Retell and summarize main idea and supporting details for text
- Describe informational text
- Respond to text

Language Arts – Grade 5

- Analyze passage for a stated or inferred main idea
- Describe relationships within informational text
- Analyze information to determine what is pertinent
- Paraphrase or restate the information

Kool-Aid Chemistry (4-5)

Social Studies/History – Grade 4

- Interpret the importance of various historical contributions from famous Nebraskans
- Evaluate primary and other sources of information to gain historical information
- Identify important people that influenced the development of Nebraska
- Describe the functions of money in an economy

Science – Grade 4

- Formulate scientific questions
- Plan and conduct simple scientific investigations
- Make observations, collect, and record data to provide feedback on previously conducted science investigations
- Illustrate and/or summarize results based on data to share with peers or adults
- Create simple mixtures and identify the physical properties of the substances which make up these mixtures

Math – Grade 4

- Add and subtract decimals to the hundredths place
- Select and apply appropriate method of computation when problem solving
- Describe, extend, and apply rules about numeric patterns
- Perform simple experiments and record results

Social Studies/History – Grade 5

- Utilize information from websites, periodicals, historical fictions, biographies, and primary sources to learn more about history

- Describe how people specialize and trade with each other based on their resources

Science – Grade 5

- Formulate a testable scientific question
- Conduct the experiment using scientific equipment correctly and accurately
- Make relevant observations and measurements
- Collect and organize data
- Develop a reasonable explanation based on data
- Provide feedback pertaining to previously conducted investigations and share information, procedures, and results

Math – Grade 5

- Add and subtract decimals through the thousandths place
- Select and apply the appropriate method of computation when solving problems with real world problems
- Describe and extend numeric patterns

The Pawnee (4-5)

Social Studies/History – Grade 4

- Evaluate primary and other sources of information to gain historical information
- Describe the contributions of cultural groups to Nebraska history
- Demonstrate an understanding of how immigration, exploration, and westward movement affected the development of the United States
- Identify and describe the past and present contributions of Native Americans and other ethnicities, and how lifestyles of Native Americans changed after European contact

Social Studies/History – Grade 5

- Utilize information from websites, periodicals, historical fiction, biographies, and primary sources to learn more about history
- Describe how people specialize and trade with each other based on their resources