# Grade 4 Curriculum Map

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**Subject**

Math

# September

## Science

## Mealworm/Classification

Power Standards/Indicators

PS 1 – Scientific Inquiry:
Make observations about objects and/or events in context
Ask testable questions
Provide explanations (hypotheses) that are reasonable in terms of evidence
Collect data
Organize data into tables/graphs

PS 4 - Life Science and Human Body
Identify how the physical features of an animal allow it to survive
Explain how physical and behavioral changes of an animal allow it to survive
Design a habitat for a specific type of animal and explain how it meets the needs of the animal that lives there
Describe the life cycles of two familiar animals
Identify differences in characteristics within one type of animal (e.g., dogs with long hair or short hair)
Describe three characteristics that can be inherited
Explain the survival needs of an animal (food, water, air, shelter, elimination of waste)

## Social Studies

## Ricker Mountain Field Trip

Power Standards/Indicators

# October

## Food Chains and Adaptations

PS 1 – Scientific Inquiry:
Make observations about objects and/or events in context
Ask testable questions
Provide explanations (hypotheses) that are reasonable in terms of evidence
Collect data
Organize data into tables/graphs

PS 4 - Life Science and Human Body
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Explain how physical and behavioral changes of an animal allow it to survive
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# November

## VT Government and VT Geography

PS 3 – Physical Geography:
Identify the purpose and features of political maps

Compare and contrast the features of a political and physical map of Vermont

Locate major political and physical divisions (i.e. from continents and oceans to Vermont Counties and major physical features)

PS 5 – Civics, Government, and Society:
Identify three rights and responsibilities of Vermont citizens

Explain the role of town meeting in local and state decision making

Name the three branches of government and their functions in the State of Vermont

# December

## Human Body

PS 4 - Life Science and Human Body
Describe three characteristics that can be inherited

Explain how tears, saliva, and skin protect the body from harmful germs

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Explain the role of town meeting in local and state decision making

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# January

## VT Economics (Research a VT Product)

PS 1 - Inquiry:
Use a focus question (thesis) to analyze information about Vermont's environment, history, or current issues

Locate and use relevant resources (e.g. primary and/or secondary source print, electronic media, people)

Differentiate among facts, opinions, and multiple perspectives on a single event

List resources used

Summarize relevant findings

Represent findings in a presentation using electronic media

PS 6 – Economics:
Give examples of goods and services within Vermont

Identify choices people make as consumers and producers and some of the consequences of those choices

Describe the production, distribution, and consumption of a Vermont product

# February

## Space

PS 5 - Universe, Earth, and Environment:
Identify the planets in their correct order from the sun

Explain why we have day and night

Cite evidence of earth’s orbit around the sun and the moon’s orbit around the earth

Explain why the sun and moon appear to be the same sizes when seen from the earth

# March

## VT History (Famous Vermonters)

PS 1 - Inquiry:
Use a focus question (thesis) to analyze information about Vermont's environment, history, or current issues

Locate and use relevant resources (e.g. primary and/or secondary source print, electronic media, people)

Differentiate among facts, opinions, and multiple perspectives on a single event

List resources used

Summarize relevant findings

Represent findings in a presentation using electronic media

PS 2 - History:
Sequence key historical events in different eras of Vermont history (settlement, industrial, modern) on a timeline

# April

## VT History

PS 2 - History:
Sequence key historical events in different eras of Vermont history (settlement, industrial, modern) on a timeline

Give examples of how historical events and historical figures have impacted life in Vermont today

PS 4 – Cultural Geography:
Explain three reasons why people settled in Vermont and three reasons why they left

Describe influences of diverse cultural communities in Vermont (I.e., Abenaki, French-Canadian, British, and African-American)

Compare or contrast ways in which cultures in Vermont have changed over time with both positive and negative consequences

# May

## Magnets and Electricity

PS 3 - Physical Science: Students describe motion and demonstrate how forces affect motion.

Describe how magnets can make some things move without touching them

Describe what happens when like and opposite poles of a magnet are placed near each other

## Fort Ticonderoga Projects and Field Trip

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# June

## Electricity

PS 2 - Physical Science:

Draw a diagram of a complete circuit

Explain why electricity flows or does not flow through a circuit

Classify 10 different materials as either insulators or conductors