Floodplain Forest Exploration at Crosby Farm (Ecology)

Grade 4 Science Standards	**Grade 5** Science Standards	**Grade 6** Science Standards
4.3.4.1.1 Describe how the methods people utilize to obtain and use water in their homes and communities can affect water supply and quality.	5.3.4.1.3 Compare the impact of individual decisions on natural systems. 5.4.1.1.1 Describe how plant and animal structures and their functions provide an advantage for survival in a given natural system. 5.4.2.1.1 Describe a natural system in Minnesota, such as a wetland, prairie, or garden, in terms of the relationships among its living and nonliving parts, as well as inputs and outputs. 5.4.2.1.2 Explain what would happen to a system such as a wetland, prairie or garden if one of its parts were changed.	6.1.3.1.1 Describe a system in terms of its subsystems and parts, as well as its inputs, processes and outputs.

Prairie Exploration at Coldwater Spring (Ecology)

Grade 4 Science Standards	**Grade 5** Science Standards	**Grade 6** Science Standards
4.3.2.3.1 Identify where water collects on Earth, including atmosphere, ground, and surface water, and describe how water moves through the Earth system using the processes of evaporation, condensation and precipitation. 4.3.4.1.1 Describe how the methods people utilize to obtain and use water in their homes and communities can affect water supply and quality.	5.1.3.4.2 Create and analyze different kinds of maps of the student's community and of Minnesota. 5.4.1.1.1 Describe how plant and animal structures and their functions provide an advantage for survival in a given natural system. 5.4.2.1.1 Describe a natural system in Minnesota, such as a wetland, prairie, or garden, in terms of the relationships among its living and nonliving parts, as well as inputs and outputs. 5.4.4.1.1 Give examples of beneficial and harmful human interaction with natural systems.	6.1.2.1.4 Explain the importance of learning from past failures, in order to inform future designs of similar products or systems. 6.1.2.2.1 Apply and document an engineering design process that includes identifying criteria and constraints, making representations, testing and evaluation, and refining the design as needed to construct a product or system to solve a problem.

Saint Anthony Falls Exploration (History)

Grade 4 Science Standards	**Grade 5** Science Standards	**Grade 6** Science Standards
4.1.2.1.1 Describe the positive and negative impacts that the designed world has on the natural world as more and more engineered products and services are created and used. 4.3.1.3.1 Recognize that rocks may be uniform or made of mixtures of different minerals. 4.3.4.1.1 Describe how the methods people utilize to obtain and use water in their homes and communities can affect water supply and quality.	5.1.3.2.1 Describe how science and engineering influence and are influenced by local traditions and beliefs. 5.3.1.2.2 Explain how slow processes, such as water erosion, and rapid processes, such as landslides and volcanic eruptions, form features of the Earth's surface. 5.3.4.1.1 Identify renewable and non-renewable energy and material resources that are found in Minnesota and describe how they are used.	6.1.2.1.1 Identify a common engineered system and evaluate its impact on the daily life of humans. 6.1.2.1.2 Recognize that there is no perfect design and that new technologies have consequences that may increase some risks and decrease others. 6.1.2.1.4 Explain the importance of learning from past failures, in order to inform future designs of similar products or systems.

WILDERNESS INQUIRY

MISSISSIPPI PARK CONNECTION
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Bdote/Fort Snelling Exploration (History)

Grade 4 Science Standards	**Grade 5** Science Standards	**Grade 6** Science Standards
4.1.2.2.1 Identify and investigate a design solution and describe how it was used to solve an everyday problem. For example: Investigate different varieties of construction tools. 4.1.3.3.1 Describe a situation in which one invention led to other inventions.	5.1.3.2.1 Describe how science and engineering influence and are influenced by local traditions and beliefs. 5.4.1.1.1 Describe how plant and animal structures and their functions provide an advantage for survival in a given natural system. 5.4.4.1.1 Give examples of beneficial and harmful human interaction with natural systems.	6.1.2.1.1 Identify a common engineered system and evaluate its impact on the daily life of humans. 6.1.2.1.2 Recognize that there is no perfect design and that new technologies have consequences that may increase some risks and decrease others.