

Mary Queen of Peace School
Science Curriculum Grade 4 (2012)

Subject Science	Grade 4	Unit Name Kinds of Ecosystems
		Author(s) Molly Venker, Emily Pagano

Stage 1: DESIRED RESULTS

Established Goals / Content Standards

Students will learn about the different types of ecosystems around the world.

Understandings

Students will learn about the parts of an ecosystem and its importance to the environment.

Essential Questions

What makes up an ecosystem?

Knowledge

Skills

Stage 2: ASSESSMENT EVIDENCE

Performance Tasks

Other Evidence

Key Criteria

Stage 3: LEARNING PLAN

Lessons, Resources, Experiences

Textbook - Harcourt

Mary Queen of Peace School
Science Curriculum Grade 4 (2012)

Subject Science	Grade 4	Unit Name Matter and Energy
		Author(s) Molly Venker, Emily Pagano

Stage 1: DESIRED RESULTS

Established Goals / Content Standards

Students will learn about solids, liquids, and gases. Students will learn about thermal and kinetic energy. Students will learn about radiation.

Understandings

Students will understand the properties of a solid, liquid, and a gas. Students will understand the ways energy is transferred.

Essential Questions

What are the three states of matter?
What are the different types of energy?

Knowledge

Skills

Stage 2: ASSESSMENT EVIDENCE

Performance Tasks

Other Evidence

Key Criteria

Stage 3: LEARNING PLAN

Lessons, Resources, Experiences

Textbook - Harcourt

Mary Queen of Peace School
Science Curriculum Grade 4 (2012)

Subject Science	Grade 4	Unit Name Protecting Ecosystems
		Author(s) Molly Venker, Emily Pagano

Stage 1: DESIRED RESULTS

Established Goals / Content Standards

Students will learn about the changes in an ecosystem and the conservation of ecosystems.

Understandings

Students will learn about the importance of protecting an ecosystem.

Essential Questions

How can we protect an ecosystem?

Knowledge

Skills

Stage 2: ASSESSMENT EVIDENCE

Performance Tasks

Other Evidence

Key Criteria

Stage 3: LEARNING PLAN

Lessons, Resources, Experiences

Textbook - Harcourt

Mary Queen of Peace School
Science Curriculum Grade 4 (2012)

Subject Science	Grade 4	Unit Name Fossils
		Author(s) Molly Venker, Emily Pagano

Stage 1: DESIRED RESULTS

Established Goals / Content Standards

Students will learn about fossils and fossil fuels.

Understandings

Students will understand how fossils and fossil fuels are used.

Essential Questions

How are fossils important to our environment?

Knowledge

Skills

Stage 2: ASSESSMENT EVIDENCE

Performance Tasks

Other Evidence

Key Criteria

Stage 3: LEARNING PLAN

Lessons, Resources, Experiences

Textbook - Harcourt

Mary Queen of Peace School
Science Curriculum Grade 4 (2012)

Subject Science	Grade 4	Unit Name Simple Machines
		Author(s) Molly Venker, Emily Pagano

Stage 1: DESIRED RESULTS

Established Goals / Content Standards

Students will learn the different types of simple machines.

Understandings

Students will learn about levers, pulleys, wedges, inclined planes, and wheels.

Essential Questions

What is a simple machine?

Knowledge

Skills

Stage 2: ASSESSMENT EVIDENCE

Performance Tasks

Other Evidence

Key Criteria

Stage 3: LEARNING PLAN

Lessons, Resources, Experiences

Textbook - Harcourt

Mary Queen of Peace School
Science Curriculum Grade 4 (2012)

Subject Science	Grade 4	Unit Name Earth's Surface
		Author(s) Molly Venker, Emily Pagano

Stage 1: DESIRED RESULTS

Established Goals / Content Standards

Earthquakes and Volcanoes

Understandings

Students will learn the layers of the earth, causes for earthquakes and volcanoes. Students will also learn how volcanoes form.

Essential Questions

What causes earthquakes and volcanoes?

Knowledge

Skills

Stage 2: ASSESSMENT EVIDENCE

Performance Tasks

Other Evidence

Key Criteria

Stage 3: LEARNING PLAN

Lessons, Resources, Experiences

Textbook - Harcourt