

Cedar Rapids Community School Science Standards

Indian Creek Nature Center study trips which meet specific standards and expectations are listed in red after each standard.

Kindergarten:

Social Studies Standards and Expectations

Standard G: K.G. 5 Specialize Jobs – **Beekeeping, Maple Syruping**

Science Standards and Student Expectations

Science as Inquiry

- K.A.1 Ask questions about Objects, organisms, and events in environment
- KA. 2 Use equipment and tools to gather data. Use of senses as a discovery tool. Listening, Observing, Smelling, Feeling – **Habitat Exploration**
- KA 3 Use observations to describe and compare. What did you see, etc between habitats – **Habitat Exploration**

Standard C Life and environmental science

- KC1-**Trail Hike, Maple Syruping, Plants and Seeds, Monarch Tagging**
- KC2- **Honeybees, Trail Hike, Maple Syruping, Plants and Seeds, Monarch Tagging**

Standard D Earth and Space Science

- KD2- **Honeybees, Trail Hike, Maple Syruping, Plants and Seeds, Monarch Tagging**

Standard F Science Connections

- KF1- **Honeybees, Maple Syruping**

First Grade:

Social Studies:

Science:

Standard A: Science as Inquiry

- 1A1- **Honeybees, Trail Hike, Maple Syruping, Plants and Seeds, Monarch Tagging**
- 1A2- **Honeybees, Trail Hike, Maple Syruping, Plants and Seeds, Monarch Tagging**
- 1A3- **Maple Syruping, Insects, Monarch Tagging, Ponds**
- 1A4-**Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands**
- 1A5- **Honeybees, Insects, Monarchs, Mammals, Reptiles & Amphibians, Birds, Ponds & Wetlands**

Standard C: Life & Environmental Science

- 1C1-6 **Honeybees, Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands**

Standard E:

1E2- Honeybees, Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

Standard F: Science Connections

1F3- Maple Syruping

Second Grade

Social Studies:

Standard A: Culture

2A2- Maple Syruping

Standard C: People, Places and Environments

2C7- Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

Science:

Standard A: Science as Inquiry

2A1- Honeybees, Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

2A2- Habitat Exploration, Ponds & Wetlands

2A3- Ponds & Wetlands, Monarch Tagging, Insects

2A4- Ponds & Wetlands, Monarch Tagging, Insects

2A5- Ponds & Wetlands, Monarch Tagging, Insects

Standard C: Life & Environmental Science

2C1-6 Honeybees, Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

Standard F: Science Connections

2F2- Honeybees, Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

2F4- Maple Syruping

Third Grade

Social Studies:

Standard A: Culture

3A2- Maple Syruping

Science:

Standard A: Science as Inquiry

3A1- Honeybees, Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

3A4- Ponds & Wetlands, Monarch Tagging, Insects

3A4- Ponds & Wetlands, Monarch Tagging, Insects

Standard C: Life & Environmental Science

3C1-4 Exploration, Ponds & Wetlands Honeybees, Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat

Standard D: Earth and Space Science

3D1- Ponds & Wetlands

3D2- Ponds & Wetlands

Standard F: Science Connections

3F1- Honeybees, Interpretive Trail Hike, Maple Syruping, Monarch Tagging, Insects, Reptiles & Amphibians, Mammals, Plants & Seeds, Birds, Habitat Exploration, Ponds & Wetlands

3F2- Maple Syruping

3F3- Maple Syruping

Fourth Grade

Social Studies:

Standard C: People, Places and Environments

4C5- Map & Compass, Prairie Field Study, Woodland Field Study

4C8- Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland, Honeybees, Maple Syruping

Standard E: Individuals, Groups and Institutions

4E4- Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Interpretive Trail Hike

Standard H: Science, Technology and Society

4H1- Water Quality, Fun with GPS

Standard J: Civic Ideals and Practices

4J2- Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality

Science:

Standard A: Science Inquiry

4A1- Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Map & Compass, Fun with GPS

4A2- Pond & Wetland Field Study, Water Quality

4A4- Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Map & Compass, Fun with GPS

4A5- Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Map & Compass, Fun with GPS

Standard B: Nature and History of Science

4B1- Pond & Wetland Field Study, Water Quality

4B2- Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality

- 4B3- **Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality**
- Standard C: Life and Environmental Science
- 4C2- **Geology, Fossils**
- 4C3- **Geology, Fossils**
- Standard D: Earth and Space Science
- 4D1- **Geology**
- 4D2- **Geology, Fossils**
- Standard F: Science Connections
- 4F1- **Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Outdoor Skills**
- 4F2- **Pond & Wetland Field Study, Water Quality, Map & Compass, Fun with GPS, Maple Syruping, Outdoor Skills**
- 4F3- **& Wetland Field Study, Water Quality, Map & Compass, Fun with GPS, Maple Syruping, Outdoor Skills**

Fifth Grade

Social studies:

- Standard A: Culture
- 5A2- **Maple Syruping**
- Standard C: People, Places and Environments
- 5C5- **Map & Compass, Prairie Field Study, Woodland Field Study**
- Standard E: Individuals, Groups and Institutions
- 5E4- **Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Interpretive Trail Hike**
- Standard H: Science, Technology and Society
- 5H1- **Water Quality, Fun with GPS**
- Standard J: Civic Ideals and Practices
- 5J2- **Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality**

Science:

- Standard A: Science As Inquiry
- 5A1-5 **Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Map & Compass, Fun with GPS**
- Standard B: Nature and History of Science
- 5B1- **Pond & Wetland Field Study, Water Quality**
- 5B2- **Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality**
- 5B3- **Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality**
- Standard C: Life and Environmental Science

5C1- Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality

5C2- Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Outdoor Skills

5C3- Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality

5C4- Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Interpretive Trail Hike

Standard E: Physical Science

5E1- Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study

Standard F: Science Connections

5F1- Honeybees, Maple Syruping, Interpretive Trail Hike, Monarch Tagging, Geology, Fossils, Prairie Field Study, Woodland Field Study, Pond & Wetland Field Study, Water Quality, Outdoor Skills

5F2- & Wetland Field Study, Water Quality, Map & Compass, Fun with GPS, Maple Syruping, Outdoor Skills