

ALL GROUT MUSEUM DISTRICT TOURS MEET IOWA CORE CURRICULUM STANDARDS

For descriptions of the tours see the Teacher's Guide

To download the teacher's guide visit www.GroutMuseumDistrict.org/bluedorn/educators.cfm

GROUT MUSEUM OF HISTORY & SCIENCE

PIONEER HALL

- Understand the changing nature of society.
- Understand how physical and human characteristics create and define regions.
- Understand how geographic and human characteristics create culture and define regions.
- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.

NATIVE AMERICANS

- Understand culture and how cultural diffusion affects the development and maintenance of societies.
- Understand relationship between geography and historical events.
- Understand how geographical and human characteristics create culture and define regions.

SCAVENGER HUNT

- Understand the changing nature of society.
- Understand how physical and human characteristics create and define regions.
- Understand how geographic and human characteristics create culture and define regions.
- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.
- Understand economic needs and wants affect individual and group decisions.
- Understand the role of innovation on the development and interaction of societies.

ENGINE OF THE HEARTLAND

- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.
- Understand economic needs and wants affect individual and group decisions.
- Understand the role of innovation on the development and interaction of societies.

WONDERS OF THE SKY

- Understand and apply knowledge of events that have repeating patterns.

PLANETARIUM SHOWS

- Understand and apply knowledge of events that have repeating patterns.

PLANETARIUM SHOWS

- Understand and apply knowledge of events that have repeating patterns.

PLANET PEEK

- Understand and apply knowledge of events that have repeating patterns.

BLUEDORN SCIENCE IMAGINARIUM

SHELLS, SCALES & SPINES

All ages

- Understand and apply knowledge of the characteristics of living things and how living things are both similar to and different from each other and from non-living things.
- Understand and apply knowledge of life cycles of plants and animals.
- Understand and apply knowledge of the basic needs of plants and animals and how they interact with each other and their physical environment.
- Understand and apply knowledge of environmental stewardship.
- Understand and apply knowledge of organisms and their environments.

SUPER COLD

Grades 3 & up

- Understand and apply knowledge of states of matter and changes in states of matter.
- Understand and apply knowledge of characteristics of liquids and solids.

INCREDIBLE EGGS

All ages

- Understand and apply knowledge of observable and measurable properties of objects.
- Understand and apply knowledge of the positions and motions of objects.

SNAKES ALIVE!

Grades 1 & up

- Understand and apply knowledge of the characteristics of living things and how living things are both similar to and different from each other and from non-living things.
- Understand and apply knowledge of life cycles of plants and animals.
- Understand and apply knowledge of the basic needs of plants and animals and how they interact with each other and their physical environment.
- Understand and apply knowledge of environmental stewardship.
- Understand and apply knowledge of organisms and their environments.

KITCHEN SCIENCE

Grades K-6

- Understand and apply knowledge of sound, light, electricity, magnetism, and heat.

COMBUSTION

Grades 1 & up

- Understand and apply knowledge of sound, light, electricity, magnetism, and heat.

CREEPY CRAWLIES

All ages

- Understand and apply knowledge of the characteristics of living things and how living things are both similar to and different from each other and from non-living things.
- Understand and apply knowledge of life cycles of plants and animals.
- Understand and apply knowledge of the basic needs of plants and animals and how they interact with each other and their physical environment.
- Understand and apply knowledge of environmental stewardship.
- Understand and apply knowledge of organisms and their environments.

UNDER PRESSURE

Grades K & up

- Understand and apply knowledge of how forces are related to an object's motion.
- Understand and apply knowledge of properties of earth materials.

NEWTON'S PLAYGROUND

Grades 2 & up

- Understand and apply knowledge of how forces are related to an object's motion.
- Understand and apply knowledge of the positions and motions of objects.

K'NEX

Grades 3 & up

- Understand and apply knowledge of how forces are related to an object's motion.

DINOSAURS AND FOSSILS

Grades 2-5

- Understand and apply knowledge of fossils and the evidence they provide of past life on earth.
- Understand and apply knowledge of processes and changes on or in the earth's land, oceans, and atmosphere.

MARVELOUS MINERALS

Grades 3-6

- Understand and apply knowledge of properties and uses of earth materials.
- Understand and apply knowledge of processes and changes on or in the earth's land, oceans, and atmosphere.

MAGNETS

Grades Pre-2

- Understand and apply knowledge of sound, light, electricity, magnetism, and heat.
- Understand and apply knowledge of properties of earth materials.

CHEMICAL CLOCK REACTION

Grades 3 & up

- Understand and apply knowledge of how to describe and identify substances based on characteristic properties.

BUBBLES

Grades Pre-3

- Understand and apply knowledge of observable and measurable properties of objects.
- Understand and apply knowledge of properties of earth materials.

IOWA VETERANS MUSEUM

GUIDED/ SELF-GUIDED

- Understand the United States has a role in current world affairs.
- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.
- Understand the role of individuals and groups within a society as promoters of change or the status quo.

CIVIL WAR

- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.
- Understand the role of individuals and groups within a society as promoters of change or the status quo.

SULLIVAN BROTHERS/WWII Grades 2 & up

- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.
- Understand the role of individuals and groups within a society as promoters of change or the status quo.

CURRENT CONFLICTS

- Understand the United States has a role in current world affairs.
- Understand the role of individuals and groups within a society as promoters of change or the status quo.
- Understand the effects of economic needs and wants on individual and group decisions.

RENSSELAER RUSSELL HOUSE MUSEUM

VICTORIAN ERA CHILDREN

- Understand the relationship of individual to the components of society and culture

MIND YOUR MANNERS

- Understand the changing nature of society.

VICTORIAN ELEGANCE

- Understand cause and effect relationships and other historical thinking skills in order to interpret events and issues.