



OUTDOOR EDUCATION

where education meets adventure



75
YEARS

CELEBRATING
THE LEGACY OF
CRISTA MINISTRIES

Outdoor Education at Miracle Ranch

Outdoor education offers a unique opportunity to combine the beauty of God's creation with engaging learning environments. At Miracle Ranch, our hands-on classes create a space for students to explore nature, communicate discoveries with their peers, practice problem solving, and develop a caring mindset towards plants and animals. We use a three-part approach to our Outdoor Education.

ENGAGING LESSONS

We want our classes to be informative, professional, and fun. We strive to provide educational experiences that allow students to walk away with a deeper understanding of the subject material while creating lifelong memories.

INTELLIGENT DESIGN

Outdoor Education provides many incredible examples of intelligent design of plants and animals in our world. Miracle Ranch enjoys connecting Biblical devotions to our educational classes. For example, Jesus shares a vineyard picture in John 15 which says, "I am the vine, you are the branches. No branch can bear fruit by itself; it must remain in the vine."

HANDS ON APPLICATION

Each of our classes include a time to discover and apply what students have learned with an activity to their lives. Student application allows knowledge gained during the lesson to be reinforced in a fun, interactive way while trying to see how this applies to their life and stewardship.

DAY AND OVERNIGHT OPTIONS

The Miracle Ranch Outdoor Education team will customize a schedule to meet your group's needs.



**COST**

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

K-6th grade

Agricultural Animal Science

OBJECTIVE

Students will understand purposes and uses, body parts, and simple caretaking practices for chickens, horses, goats, and other common agricultural animals.

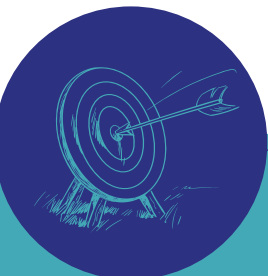
CLASS COMPONENTS

- + Chickens: care, uses, and parts of a chicken
- + Horses: history, care, and grooming
- + Goats, sheep, and pigs: common misconceptions, care, and uses

NEXT GENERATION SCIENCE STANDARDS

K-LS1-1. Use observation to describe patterns of what plants and animals (including humans) need to survive.

4-LS1-1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.

**COST**

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

4th-6th grade

Archery

OBJECTIVE

Students will explore the history, physics, and proper firing technique of a bow and arrow.

CLASS COMPONENTS

- + History of archery
- + How it works (potential and kinetic energy)
- + Parts of the bow and arrow
- + How to properly fire a bow and arrow

NEXT GENERATION SCIENCE STANDARDS

4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object.

MS-PS3-5. Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.



**COST**

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

4th-6th grade

Boating

OBJECTIVE

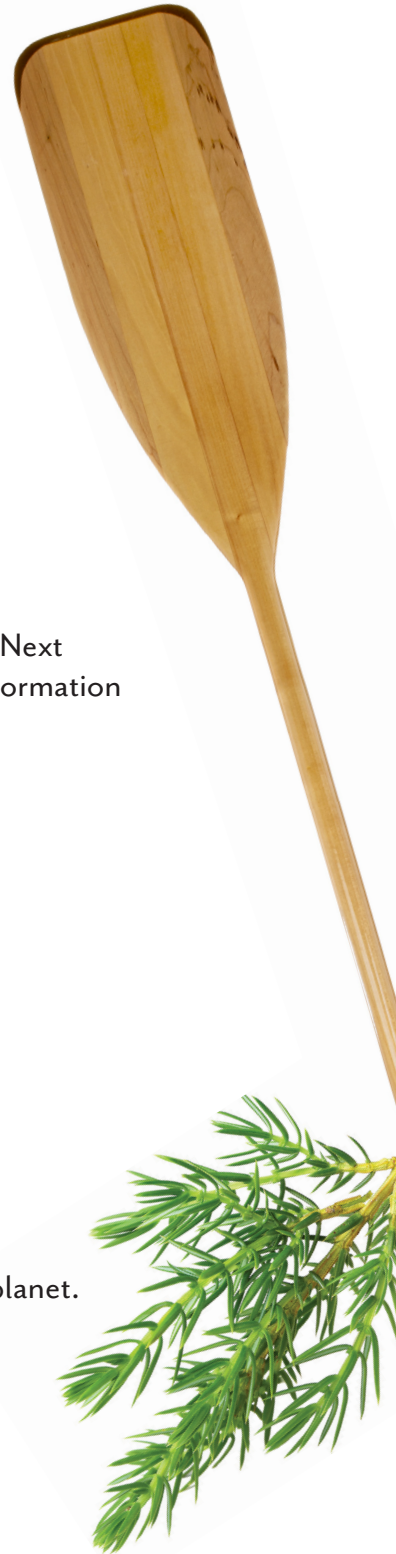
Students will discover how to safely and efficiently use a boat.

CLASS COMPONENTS

- + Boating safety
- + Parts of a boat/paddle
- + Strokes

NEXT GENERATION SCIENCE STANDARDS

While this course does not directly correlate with any Next Generation Science Standards, we believe that the information gained is worthwhile and beneficial!

**COST**

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

4th-8th grade

Conservation

OBJECTIVE

Students will discuss the importance of conservation and steps they can take in their daily lives to help the planet.

CLASS COMPONENTS

- + What is conservation
- + Why does it matter?
- + Keystone species
- + How do our actions impact the planet?

NEXT GENERATION SCIENCE STANDARDS

3-LS2-1. Construct an argument that some animals form groups that help members survive.

3-LS4-4. Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.



COST

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-8th grade

Wildlife Habitats

OBJECTIVE

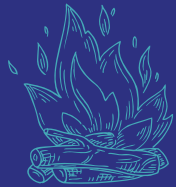
For students to learn to identify different signs of animals including tracks, scats, and habitat signs.

CLASS COMPONENTS

- + Native and Non-native species
- + Invasive species
- + Wildlife Signs
- + Habitat Signs
- + Animal Encounters

NEXT GENERATION SCIENCE STANDARDS

Please contact Miracle Ranch for the most recent standards.



COST

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-8th grade

Fire Building

OBJECTIVE

Students will learn and practice multiple ways to set up a fire.

CLASS COMPONENTS

- + Why do we build fires?
- + How do we build fires?
- + Materials and fire structures
- + Fire Safety

NEXT GENERATION SCIENCE STANDARDS

2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

4-ESS3-1. Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment.

3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

**COST**

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-10th grade

Forestry

OBJECTIVE

Students will learn how to identify and distinguish different classifications of plants commonly found in the PNW.

CLASS COMPONENTS

- + Plant Classification
- + Forest Layers
- + Keystone Species

NEXT GENERATION SCIENCE STANDARDS

K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.

K-ESS3-3. Communicate solutions that will reduce the impact of humans on the land, water air, and/or other living things.

2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats.

4-LS1-1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior and reproduction.

MS-ESS3-3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.





COST

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-8th grade

Orienteering

OBJECTIVE

Students will learn how to chart and identify their location on a map as well as how to use a compass to follow written directions.

CLASS COMPONENTS

- + What is Navigation
- + Compass and Map navigation
- + Cardinal Directions

NEXT GENERATION SCIENCE STANDARDS

1-ESS1-1. Use observations of the sun, moon, and stars to describe patterns that can be predicted.

2-ESS2-2. Develop a model to represent the shapes and kinds of land and bodies of water in an area.

4-ESS2-2. Analyze and interpret data from maps to describe patterns of Earth's features.



COST

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CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-8th grade

Rock Climbing

OBJECTIVE

Students will learn the techniques and safety practices behind rock climbing as well as get a chance to practice climbing on an auto-belay wall.

CLASS COMPONENTS

- + Types of Climbing
- + Gear and Safety Equipment
- + Knot Tying
- + Climbing Holds

WASHINGTON PHYSICAL EDUCATION STANDARDS

PE1.3.3. Demonstrate static and dynamic balance in a variety of activities.

PE1.4.4. Demonstrate weight transfer from feet to hands, varying speed and using large extensions.





COST

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CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-8th grade

Pond/Lake Study

OBJECTIVE

Students will learn about different aquatic ecosystems, the water cycle, and how to properly use a microscope to observe microorganisms in water samples collected from the Lake.

CLASS COMPONENTS

- + Microscopes and Microorganisms
- + Aquatic Ecosystems
- + Water Cycle
- + Water Sample Collection



NEXT GENERATION SCIENCE STANDARDS

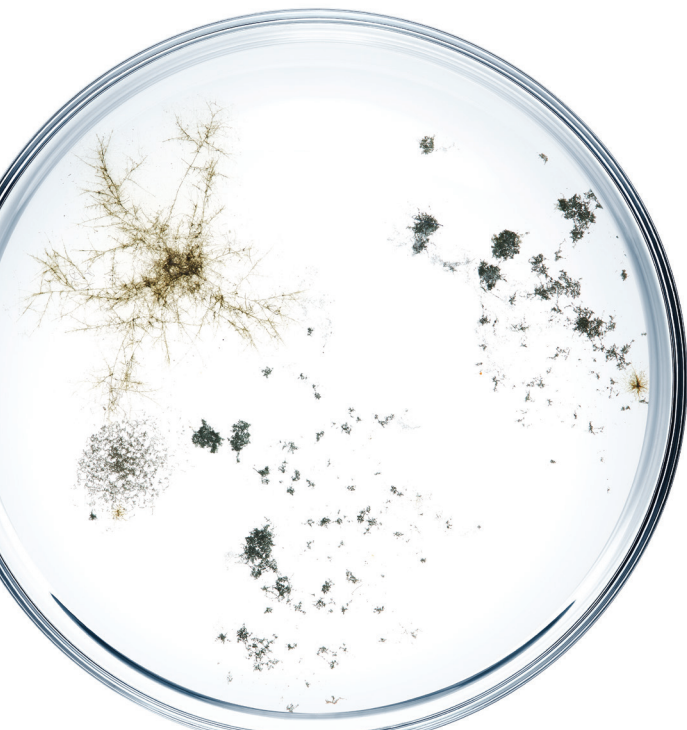
K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.

K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.

2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats.

3-LS2-1. Construct and argument that some animals form groups that help members survive.

5-ESS2-2. Describe and graph the amounts of salt water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.



**COST**

\$7 a person

CLASS SIZE

10-12 students

CLASS TIME

1 hour

GRADE LEVEL

3rd-8th grade

Shelter Building

OBJECTIVE

Students will learn the essentials of outdoor survival, as well as the basic ways to build a shelter, both out of a tarp and organic materials.

CLASS COMPONENTS

- + Survival Basics and Safety
- + Natural Shelter Structures
- + Tarp Shelter Structures

NEXT GENERATION SCIENCE STANDARDS

K-ESS3-2. Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.

2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

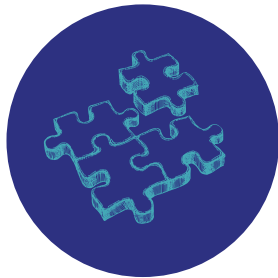
K-2-ETS1-3. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. weather forecasting to prepare for, and respond to, severe weather.



Customized Outdoor Learning

The Miracle Ranch Outdoor Education staff will customize a schedule to meet the goals of your group. Outdoor Education classes can be combined with other camp activities, such as paintball, trail rides, or dirt bikes (additional costs vary). Rotations of classes, activities, and games can accommodate larger groups. Meals in the Chuckwagon Dining Hall or fireside time are the perfect capstone to the day.

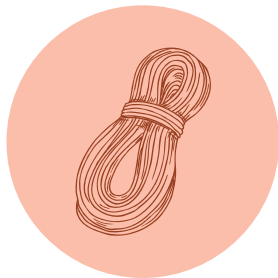
More program details to come...



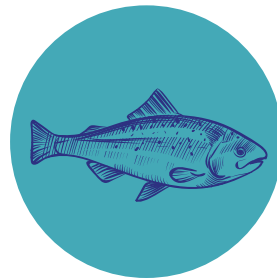
TEAM BUILDING



OWL PELLETS



SURVIVAL SKILLS



SALMONIDS

Miracle Ranch

15999 Sidney Road SW
Port Orchard, WA 98367
253.851.4410

Please contact Erik Henrikson at
information@cristacamps.org / 253-851-4410
to learn more and register!

