

Course Description:

Science K (2 of 2) explores key characteristics of plants and animals and how they work in various settings such as rainforests, deserts, rivers, and oceans. It also explores how plants and animals may change the environment in which they are found. It will explore the components that make up Earth, and it will explore the various weather changes. They will also complete two projects in this course about river lands and weather patterns.

Course Objectives:

Group rocks by their size, shape, color, and texture to see how they are alike or different from soil and sand. Look at and tell how the weather changes in different seasons.

Show how different plants need different amounts of sunlight and water to live.

Make a model of plants and animals living in deserts, forests, oceans, rainforests, and rivers.

Tell about different animal homes and how animals meet their energy needs.

Tell how mammals, birds, and reptiles look or act and use them to tell how they are the same or different.

Tell how parents, young plants, and animals are alike.

Tell how plants, animals, and people hurt the air, land, and water and how we can fix them.

Tell how you can guess the weather through facts on graphs and charts.

Identify and tell how body parts help plants and animals live in deserts, forests, oceans, rainforests, and rivers.

Identify and tell about the stages in plant and animal life cycles.

Identify things about living and nonliving things.

Identify how water is useful, where it comes from, and how it is important for life.

Identify, show, and tell how plants, animals, and people change deserts, forests, oceans, rainforests, and rivers.

Identify plant parts and tell about the role they play.

Required Materials:

Required:

crayons/markers/colored pencils

magnifying glass

paper

pencils

River Data Table Worksheet

magnifying glass

Weather Calendar printable

Weather Pattern Data Table (optional)

Weather Calendar Graph (optional)

Weather Patterns Worksheet

Course Overview:

This course is made up of 6 units. Each unit has five lessons. Lessons are made of up activities that include the following types of learning:

- **Direct Instructions** provide modeling of new skills and concepts. These are not graded activities.

- **Guided Practices** allow for practice of a skill with support. These are graded activities only on a completion basis.
- **Independent Practices** allow for practice of a skill without support. These are graded activities.
- **Unit Reviews** allow for practice of skills prior to taking unit exams. These are not graded activities.
- **Unit Exams** test mastery of skills from the unit. These are graded activities.
- **Projects** provide an opportunity for practice of more complex skills across several activities or lessons within a unit. These activities require a final graded submission.