

Science 2 (5th Edition)

This engaging new science course introduces the study of key science topics from a biblical worldview. Students will get an overview of physical science, space and earth science, and life science. They will also get a close look at science careers, all with age-appropriate text in a visually appealing format. Teachers will also get a clearer presentation of biblical worldview shaping throughout the course.

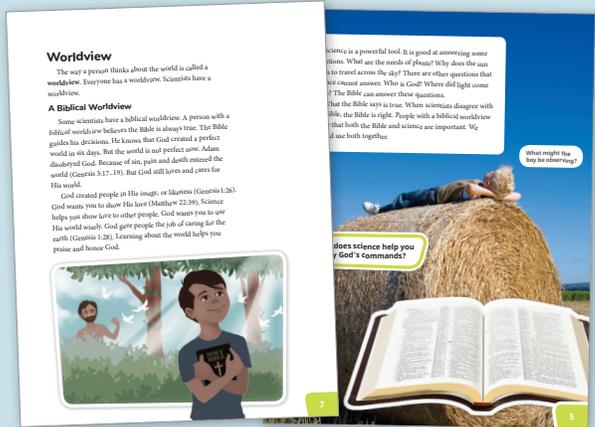
Parts and pieces include a teacher edition, student edition, student activities manual, student activities manual answer key, assessments, and assessments answer key.



Biblical Worldview
Dinosaurs and man were created on the same day.

Worldview of Evolution
Dinosaurs lived many, many years before man.

How does each scientist explain the dinosaur bones?



Worldview

The way a person thinks about the world is called a worldview. Everyone has a worldview. Scientists have a worldview.

A Biblical Worldview

Some scientists have a biblical worldview. A person with a biblical worldview believes the Bible is always true. The Bible guides his decisions. He knows that God created a perfect world in six days. But the world is not perfect now. Adam disobeyed God. Because of sin, pain and death entered the world (Genesis 3:17-19). But God still loves and cares for His world.

God created people in His image, or likeness (Genesis 1:26). God wants you to show His love (Matthew 22:39). Science helps you show love to other people. God wants you to use His world wisely. God gave people the job of caring for the earth (Genesis 1:28). Learning about the world helps you praise and honor God.



Science is a powerful tool. It is good at answering some questions. What are the needs of plants? Why does the sun travel across the sky? There are other questions that are beyond science. Who is God? Where did light come from? The Bible can answer these questions.

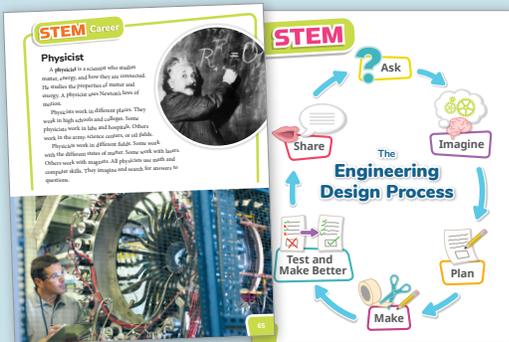
That the Bible says is true. When scientists disagree with the Bible, the Bible is right. People with a biblical worldview (that both the Bible and science are important) try to use both together.

What might the frog be observing?

Does science help you follow God's commands?

Biblical Worldview Integration

In this course, a special overview and scope and sequence for biblical worldview shaping give teachers a clear plan for biblical integration throughout the year.



STEM Career

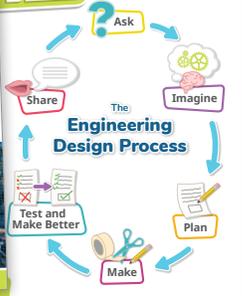
Physicist

A physicist is a scientist who studies matter, energy, and how they are connected. He studies the properties of matter and energy. A physicist can become a part of an airplane.

Physicists work in different places. They work in high schools and colleges. Some physicists work in labs with big machines. Others work in the army, military, courts, or oil fields.

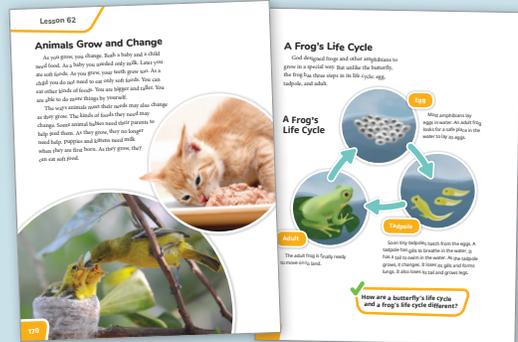
Physicists work in different fields. Some work with different kinds of matter. Some work with light. Others work with magnets. All physicists use math and computer skills. They imagine and search for answers to questions.

STEM



STEM Opportunities

Students will have opportunities to learn and apply STEM concepts throughout the year. Lessons will introduce STEM careers and specific STEM topics, while the activities manual includes numerous STEM activities for the students to participate in.



Lesson 62

Animals Grow and Change

As you grow, you change. Both a baby and a child are not adults. As you grow, your teeth grow. As a child you do not need to use only baby teeth. You can use other kinds of teeth. You can bigger and older. You are able to do more things by yourself.

The next animals you see that you may see change as they grow. The kinds of food they eat may change. They may learn to fly. They may learn to swim. They may learn to walk. They may learn to run. They may learn to jump. They may learn to climb. They may learn to dig. They may learn to burrow. They may learn to fly. They may learn to swim. They may learn to walk. They may learn to run. They may learn to jump. They may learn to climb. They may learn to dig. They may learn to burrow.

What might the frog be observing?

A Frog's Life Cycle

God created frogs and other amphibians to grow in a special way. They can live on land, in water, and in the air. They can live in the water, on land, and in the air.

Egg
The frog starts its life as an egg. The egg is small and round. It is covered in a protective layer. The egg is attached to a string. The string is attached to a rock. The frog's mother sits on the egg. She keeps the egg warm. She protects the egg from predators. She keeps the egg safe from the sun. She keeps the egg safe from the rain. She keeps the egg safe from the wind. She keeps the egg safe from the cold. She keeps the egg safe from the heat. She keeps the egg safe from the fire. She keeps the egg safe from the ice. She keeps the egg safe from the snow. She keeps the egg safe from the hail. She keeps the egg safe from the sleet. She keeps the egg safe from the rain. She keeps the egg safe from the snow. She keeps the egg safe from the hail. She keeps the egg safe from the sleet.

Tadpole
The tadpole is the first stage of the frog's life cycle. It is a small, green, worm-like creature. It has a long tail. It has two pairs of legs. It has two pairs of eyes. It has two pairs of ears. It has two pairs of nostrils. It has two pairs of mouthparts. It has two pairs of gills. It has two pairs of lungs. It has two pairs of kidneys. It has two pairs of hearts. It has two pairs of brains. It has two pairs of spinal cords. It has two pairs of nerves. It has two pairs of muscles. It has two pairs of bones. It has two pairs of cartilages. It has two pairs of ligaments. It has two pairs of tendons. It has two pairs of skin. It has two pairs of hair. It has two pairs of scales. It has two pairs of feathers. It has two pairs of fur. It has two pairs of hair. It has two pairs of scales. It has two pairs of feathers. It has two pairs of fur.

Adult
The adult frog is fully grown. It has a long, green body. It has a long tail. It has two pairs of legs. It has two pairs of eyes. It has two pairs of ears. It has two pairs of nostrils. It has two pairs of mouthparts. It has two pairs of gills. It has two pairs of lungs. It has two pairs of kidneys. It has two pairs of hearts. It has two pairs of brains. It has two pairs of spinal cords. It has two pairs of nerves. It has two pairs of muscles. It has two pairs of bones. It has two pairs of cartilages. It has two pairs of ligaments. It has two pairs of tendons. It has two pairs of skin. It has two pairs of hair. It has two pairs of scales. It has two pairs of feathers. It has two pairs of fur.

How are a butterfly's life cycle and a frog's life cycle different?

Next Generation Science Standards

This course aligns with the Next Generation Science Standards for this grade. New chapters cover what science is, how animals grow and change, and what matter is.

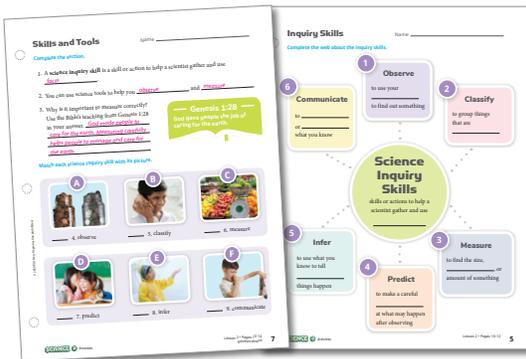


Student Edition

The student edition provides age-appropriate scientific information through text, captioned photographs, annotated illustrations, and diagrams, as well as special interest boxes. Each reading section ends with a quick check question to assess student understanding. The student edition also contains an introduction to each investigation, exploration, and STEM activity. Students have the opportunity to apply the engineering design process and foundational science inquiry skills to develop orderly approaches to problem solving.

Teacher Edition

The teacher edition supports teachers and assists them in implementing effective teaching strategies in every lesson. Front matter includes a suggested teaching schedule and overviews of both biblical worldview shaping and the gradual building of understanding. There are also answers to every quick check question, teacher helps, and background information as well as additional activities to engage the students. The appendix includes teacher resources such as instructional aids and visuals.



Assessments

Along with regular summative assessments, the assessments packet includes grading rubrics for all the STEM, investigation, and exploration activities.

Activities

The activities engage the student through reinforcement, enrichment, review, investigation, problem-solving, and STEM learning activities. The student will learn inquiry skills and gain an understanding of the concepts taught as he experiences science. For most chapters, the Bible verses used in the teaching of a chapter are written out in the activities for ease of students' use. Each chapter includes study guides to provide systematic review of key concepts and prepare the student for the chapter assessment. Included in the study guides are Write About It application questions.

