

The Adventure Begins

Day



Hello there! We're so glad you're here; we've been waiting for you! My name is Ben, and this is my older sister, Hannah. Hannah and I love to explore the world God created through science.

That's right! Science is a tool God has given us. When we study God's creation through science, it helps us to ask questions, test our ideas, and share what we've learned with others. As we learn, we also discover more about God and our relationship with Him.

Ben and I have had a lot of science adventures together — in fact, we're getting ready to start a new one right now! We are excited that you're going to join us on our new adventure. Are you ready to get started?



Whoa, whoa, whoa, Hannah — we haven't even told our friend what our science adventure is going to be about this year!



Oh, right — I guess I got a little excited. Well, this year, Ben and I want to dive deeper into what science is. We have some big questions like: How does science help us to ask questions? How does science guide us as we test our ideas? Can we trust science? How can we use science to help us learn more about God's creation?

But that's not all! We also want to learn about some real scientists. We want to know what they believed, what questions they asked, and all about what they discovered. Our mom told us that we're going to answer all of our questions as we explore God's creation through biology and chemistry this year.

Name: _____

I can hardly wait! Our mom also told us that we're going to do plenty of activities as we answer our questions. We have a lot to learn about, so where should we start, Hannah?

Hmm, we will start our adventure this week by laying a good foundation. There are a few words and definitions we'll need to learn before we get started on our science adventure. Remember, a **definition** (said this way: dĕf-ŭh-nĭsh-ŭhn) is what a word means.

I hear Mom calling us now, which means we're out of time for today. Let's plan on talking more about what science is tomorrow — we'll need to go deeper than we ever have before!



1. What is something you have enjoyed learning about in science in the past?

2. What is something you would like to learn about in science?

3. What does the word "definition" mean?



Welcome back, friend! We're going to begin our adventure by taking a deeper look at the word "science."



But Ben, science isn't really a new word for us. We've been learning about science for years! Why do we need to start here?

You're right, Hannah, but now it's time to take a deeper look at what science is.



Okay, well, to begin, we know that science is a tool God has given us. When we study God's creation through science, it helps us to ask questions, test our ideas, and share what we've learned with others. As we explore, we also learn more about God and our relationship with Him.

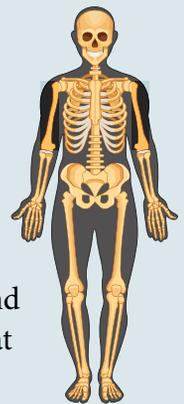
That is our foundation for what science is. Now let's build on it! Hmm, I have a question for you: what do we have inside of our bodies that helps us to stand up straight and tall?

I know! Our bones, or skeleton!

Yes! Our skeleton gives our body the structure it needs to stand and move around. Without our skeleton, we'd be all floppy like a jellyfish.

Structure (said this way: strūk-cher) provides a way to organize or support something. Science is a tool that gives us the structure we need to explore the world in an organized way — kind of like how our skeleton supports our body.

God gave us the ability to learn and explore. We can grow our knowledge and understanding about the world God created by studying science. The structure that science gives us helps us to know where to begin, how to test our ideas, and how to share our discoveries with others. Science helps us to pursue knowledge and understanding about God's creation. **Pursue** (said this way: per-soo) is a word that means to chase after, seek, or search for something.



Okay! So what you're saying is that **science** is the pursuit of knowledge and understanding about God's creation through an organized process.

Name: _____



Exactly! Let's take that definition now and add what we already knew about science. Here is our definition of science for this year:

“Science is the pursuit of knowledge and understanding about God’s creation through an organized process. Science helps us to ask questions, test our ideas, and share what we’ve learned with others. Through science, we also learn more about God and our relationship with Him.”

We’re going to be talking much more about the organized process science provides in the weeks to come. In the meantime, let’s make sure we understand what the words “knowledge,” “understanding,” and “organize” mean!



1. Circle these key words in our definition of science below: knowledge, understanding, creation, ask, test, share, God

Science is the pursuit of knowledge and understanding about God’s creation through an organized process. Science helps us to ask questions, test our ideas, and share what we’ve learned with others. Through science, we also learn more about God and our relationship with Him.

2. Ask your teacher to help you look up each word in a dictionary. Copy the definition of each word.

Knowledge:

Understanding:

Organize:



In our last lesson, we explored what science is. Let's review what we know so far:

“Science is the pursuit of knowledge and understanding about God’s creation through an organized process. Science helps us to ask questions, test our ideas, and share what we’ve learned with others. Through science, we also learn more about God and our relationship with Him.”



One important word in our definition is the word “organized.” Science is all about organization. It helps us to organize how we study the world around us, and it even helps us to organize all the things we learn about. Even science itself is organized!

Oh, that’s right! There are many things we can explore in God’s creation like plants, animals, the ocean, machines, the universe, chemicals, and so much more! Each of these different things is organized into a field, or branch, of science.

When a scientist studies the sun, moon, stars, or the far reaches of the universe, that scientist is studying the field of astronomy. We call the scientist an astronomer. When a scientist explores plants and animals, they are exploring the field of biology. We would call that scientist a biologist.

This organization helps a scientist to be able to focus in on what they are studying. For example, rather than study the whole entire world, a biologist can choose to focus on studying plants. The biologist can then work toward learning everything he or she can about several types of plants or even just one specific plant.

Science helps us to stay organized and keep our focus on what we’re learning about. This year, we’re going to focus on exploring God’s creation through biology and chemistry.



Ooh, I’m excited now! The field of biology explores the different types of life God created, from plants to people, and even animals. In chemistry, we discover the building blocks that make everything we see, from living things to non-living things.

As we explore biology and chemistry together, we’ll also be learning about the scientific method. The scientific method is how we organize our study of science. We’ll learn more about the scientific method and who developed it in the coming weeks!

Name: _____



1. Do you remember our definition of science? Fill in the missing words. You can look back in the lesson if you need to review!

“Science is the pursuit of _____ and _____ about God’s _____ through an organized process. Science helps us to _____ questions, _____ our ideas, and _____ what we’ve learned with others. Through science, we also learn more about _____ and our relationship with Him.”

2. What fields of science have you heard about?

3. Have you learned about a scientist in the past? If so, write their name and the field of science that they studied below.



As we've been talking about what science is this week, I've been thinking about one other reason we explore God's creation through science.

Oh? What is that, Ben?



Well, as we pursue knowledge and understanding of how God's creation works, we also catch glimpses of who God is. When we see how organized His creation is, it shows us that God as our Creator is also organized.

When we see one of His amazing designs in a plant, animal, or even a chemical, it reminds us that God is wise and powerful. When we learn more about God through science, we want to share that with the people around us!

It reminds me of a verse we read in Sunday school this week, Psalm 9:1-2:

I will give thanks to you, LORD, with all my heart; I will tell of all your wonderful deeds. I will be glad and rejoice in you; I will sing the praises of your name, O Most High.

I agree, Ben! When we learn more about science, it reminds me to worship and praise God. Seeing His wisdom and power on display in His creation makes me so thankful that He also cares for us. The more I learn, the more I want to tell others about His wonderful deeds! Hey, I have an idea, friend! Let's share Psalm 9:1-2 with a friend or our family and talk about God's wonderful deeds together.



Note

Day Four provides a spiritual connection for the student. There is not a worksheet on these days. Instead, the student will look up the verses and memorize from their Bible using the Digging Deeper section.



Look up Psalm 9:1-2 in your Bible. You can ask your teacher for help if you need to. If you'd like, you can highlight these verses in your Bible. Memorize Psalm 9:1-2 with your teacher or with a sibling.



Whew! We've made it to the end of our first week together — we've talked about a lot!

Let's see, we talked about what science is, and we created our definition of science. We also discussed how science is organized and how learning about science leads our hearts to praise God and tell others about Him.



And this is just the beginning! We have a lot more to learn, so we're going to need a way to document and share what we've learned with others.

Scientists throughout history have written about, drawn, or taken pictures of the things they've observed, tested, and learned so that they can share them with others. As we explore God's creation through biology and chemistry this year, we're going to create our own Science Notebook!

We'll record the things we learn about God's creation and the experiments we do in our Notebook. Each week you can share what you learned with someone else, just like a real scientist!

And my favorite part is that at the end of the year, we'll be able to look through our Notebook and remember all the things we discovered along the way! What should we add to the first page of our Science Notebook today, Hannah?

Let's write the first part of our science definition and draw a picture of the earth, one of God's creations! I have a picture of the earth right here that we can use to give us an idea for how to create our drawings.

Our younger brother Sam is too little to write the sentence with us, but he likes to add a new drawing to his Science Notebook each week just like we do. We'll show you how each of our Notebooks turns out — each of ours is unique. Have fun creating your drawing!





In your Science Notebook, write:
Science is the pursuit of knowledge and understanding about God's creation through an organized process.

- Then draw a picture of the earth.





Psalm 9:1–2 reminded us this week that as we learn, we can praise God and tell others about His wonderful deeds. Copy Psalm 9:1–2 on the back of your Notebook page.

I will give thanks to you, LORD, with all my heart; I will tell of all your wonderful deeds. I will be glad and rejoice in you; I will sing the praises of your name, O Most High (Psalm 9:1–2).