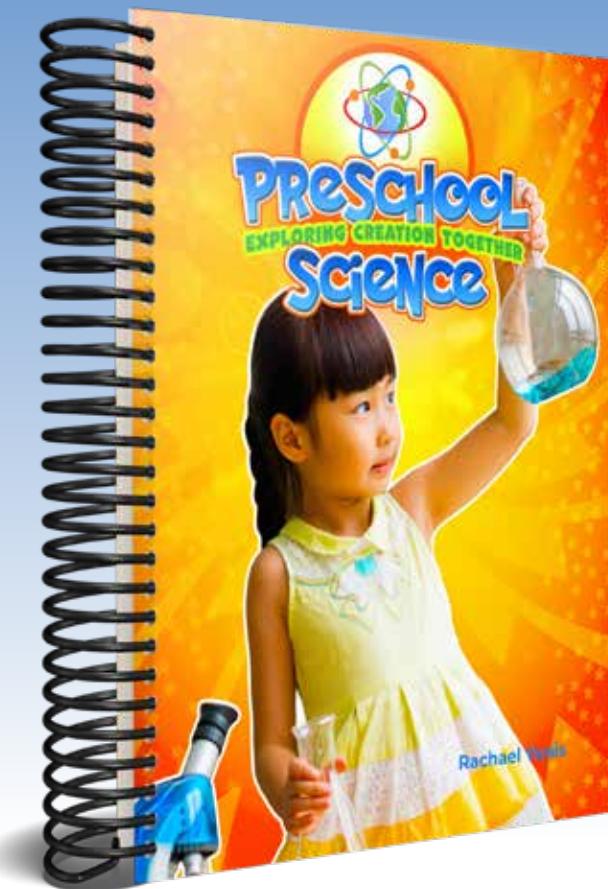




# PRE<sup>SCHOOL</sup> EXPLORING CREATION TOGETHER SCIENCE

Rachael Yunis



Click the section you want to preview.

---

**TEXTBOOK**

**TABLE OF CONTENTS**

**SUPPLY LIST**

**LESSON 1**



# TABLE OF CONTENTS

INTRODUCTION.....	4
SUPPLY LIST .....	7
LESSON 1	
God in Creation.....	9
LESSON 2	
Our Home Planet Earth.....	19
LESSON 3	
Our Solar System.....	49
LESSON 4	
God's Garden.....	59
LESSON 5	
All God's Creatures .....	87
LESSON 6	
Created in God's Image .....	141
LESSON 7	
God's Toolbox.....	165
PARENT GUIDE .....	203

# SUPPLY LIST

## General Supplies

Trifold poster board  
Pencils/Markers/Crayons  
Washable paint  
Permanent marker  
Scissors  
Glue/Tape/Stapler  
Magnifying glass  
Food coloring  
Tissue paper (all colors)  
Construction paper (all colors)  
White felt (optional)  
Stickers (optional)  
Flashlight  
Shaving cream  
Glitter  
Small paper plates  
Paper towels  
Toothpicks  
Chenille sticks (all colors)  
String  
Yarn  
Popsicle sticks  
Large cupcake liners  
Small cupcake liners  
Water  
Sunny window  
Cotton balls  
Spoon

## Lesson 1

Picture of child playing outside  
Seeds  
Pebbles  
Mason Jar

## Lesson 2

Bucket  
Shovel  
Sieve  
Garden gloves  
2 Jars with lids  
Small pitcher

Empty egg carton(s)  
Small ball  
Small plant  
Pot  
Stove  
Ice  
Clear drinking glass  
Dirt  
Plastic containers of different sizes  
Flour (optional)  
1 of the following (optional):  
Salt  
Baking soda  
Baking powder  
Corn starch  
Cream of tartar  
Microwave (optional)

## Lesson 3

Empty gallon jug  
Photo of your child (optional)  
Small, empty, capped bottle  
Vegetable oil  
Small ball  
Aluminum foil  
Brass fasteners  
Calendar (optional)

## Lesson 4

Beans (Limas work well)  
Large sock  
Large baggie  
2 Tomato seeds  
2 Pumpkin seeds  
2 Apple seeds  
4 Different varieties of apple  
Foods with seeds  
Paper  
Knife  
Place to garden  
Blender  
Strainer

Wax paper  
Cloth towel  
Plant you can dig up (weed)  
Shovel  
Salt  
Fresh cut celery with leaves (or carnations)  
Different types of leaves  
2 Similar plants (one live, one artificial)  
White coffee filters  
Clothespins  
Green sponge

## Lesson 5

General craft items

## Lesson 6

Family photo album  
Q-tips or toothpicks  
Rubber bands

## Lesson 7

Scale  
Banana  
2 Identical, plastic containers  
2 Unfilled balloons - similar in size  
1 Helium balloon (optional)  
Bowl of water  
2 Plastic cups  
Thunderstorm  
Sunny day  
Hose with water source



# **GOD iN cREATION**

**Rooted and Grounded in Love**  
Ephesians 3:17

**TEXTBOOK**  
Lesson 1

# SING TO GOD! SING PRAISES TO HIS NAME.

Psalm 68:4



Paste a picture of  
yourself playing  
outside here.



You are a beautiful, perfect child of God, and you are loved so very much. In fact, God loves you so much that everything in this world is a gift from God to you!

God planned everything in creation. Everything you see, hear, smell, taste, and feel was made by God.



Love also exists because of God. One of the first things you experienced when you were born was the love of your parents. By experiencing love, you

learn to love too. We love and care for people and the things around us because God loved and cared for us first.





Learning about science will help you love even more. You see, you need to know about something before you can love it. And as you get more knowledge about all that God created, you will see how much God loves and trusts you because God wants you to help take care of the things He created.

## Life!

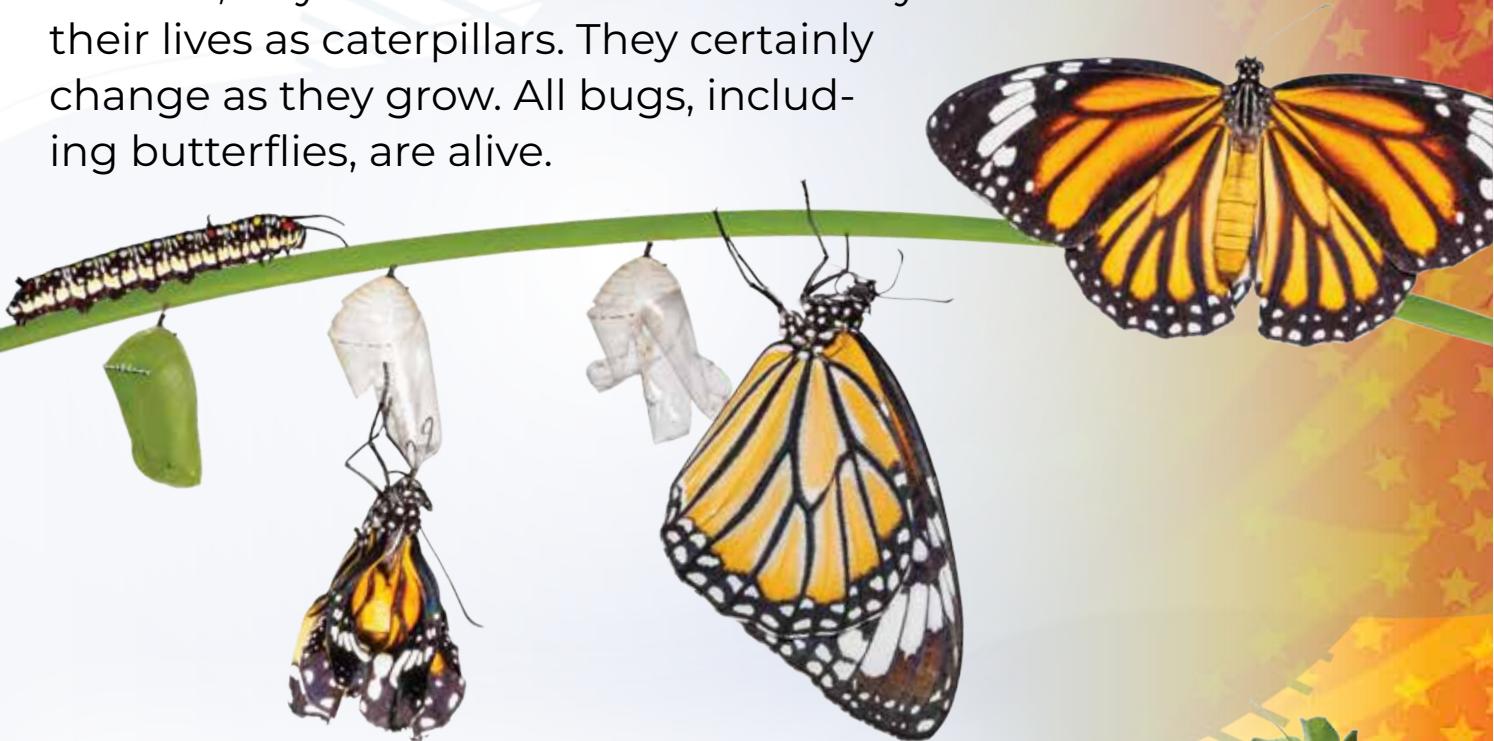
Your life was created by God. God also created a lot of different life besides you. But do you know what it means to be **alive**? Anything that is alive will grow and change.

Do you still look like a baby? No, you are no longer a baby. People grow from babies into children. Children grow into teenagers. And teenagers become adults. People grow and change. So people are alive. You are a person, and you are alive.



Do you think animals are alive? Dogs and cats were once puppies and kittens. Puppies and kittens change as they grow. They get bigger. Dogs and cats and all the animals on the Earth are alive.

What about bugs? Are bugs alive? Well, bugs are really animals, so you know the answer already. Butterflies start their lives as caterpillars. They certainly change as they grow. All bugs, including butterflies, are alive.



Did you know that plants grow and change too? A baby plant is called a seedling or a sprout. Trees are plants and so are grass, flowers, and shrubs. Plants grow and change. Plants are alive.



**Nonliving** is a word that means not alive.

Nonliving things do not grow or change by themselves. Look around you. What do you see that is not alive? Chairs do not grow; chairs are not alive. Walls do not grow; walls are not alive. Your couch may change if your mom puts new pillows on it, but it doesn't change by itself. Couches are not alive. There are many things that are not alive.



Nonliving things are important too. Dirt isn't alive, but it is needed for plants to grow. Plus, where would we live and play if the **land** didn't exist?



Take a deep breath. You're breathing in **air**. Air isn't alive, but it is needed so that you and all living things can breathe. The air also moves the weather around. How would we get rain or snow or a nice cool breeze if air didn't exist?

What about **water**? Is it alive? Water moves around a lot, but it doesn't grow. So water is not alive. However, water is important. All the animals that live in the water, like fish and whales, need it to survive.



How many animals can you find enjoying the water in this picture? Do you notice anything else that needs the water? Plants need water to survive too.



ACTIVITY  
**1.1**

What makes our world special is that God designed it with love for us. Everything has a purpose and if we look close enough, we can see and experience the living and nonliving beauty that God placed in our world.

## EXPLORING LIFE

Sometimes it isn't easy to tell if something is alive. What is the little girl in the photo holding? Is it alive? What do you think? Those look like acorns to me, and acorns grow into trees. That's life.



Some things, like acorns, change and grow slowly. And if you aren't there to watch them every day, you might not see them growing and changing. What can you do? You can do a test.

**Scientists** are people who do experiments to find out answers to science questions. As a scientist, you can test some things to see what is alive and what isn't.

Would you like to be a scientist? I hope so because you're going to be doing a lot of activities where you are the scientist. You will have to find answers to science questions.

ACTIVITY  
**1.2**

## SORTING INFORMATION

Science helps us learn all about our world. And there is so much to learn that scientists have to be organized. To be organized, they sort all the scientific information that they gather. Do you know what it means to sort things? It means to separate them based on what they have in common.

People sort things all the time. Can you think of anything that you sort? Maybe you keep your



clothes sorted so that all your shirts are together in your dresser drawer while all your pants are together in your closet. Or maybe you sort your toys into different boxes so that all your building blocks are in one place when you want to play with them.

Ask your parents to show you how some things are sorted around your home. Does your family recycle items? If so, you probably have 2 different places to sort garbage.



Let's think about why sorting is worth the effort. Do you ever have a messy room?

Maybe when it's messy you can't find your favorite toy in the big mess.

Sorting makes things organized. It's easier to talk

about something that is sorted rather than messy.

In this book, we are going to sort the science into sections. Each section will be about a certain kind of science. When we are done, I wonder what your favorite section will be.

**ACTIVITY  
1.3**

There is a lot more science than just living and nonliving and sorting. In fact, God's entire creation is full of science. Go look out your window. What do you see? There is so much to talk about that we better get started. Are you ready? Together we'll learn about things you see around you like why the wind blows and how a tree grows. You will start to understand the science of the world you see. Let's go!



**MY STORY**  
and how I fit into  
**OUR STORY**  
and how we fit into  
**GOD'S STORY**

