

REPTILES, AMPHIBIANS, AND FISH

3 - 8 Science Unit Study



THE GOOD AND THE BEAUTIFUL

REPTILES, AMPHIBIANS, AND FISH

CREATED BY THE GOOD AND THE BEAUTIFUL TEAM



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UNIT INFORMATION

Science Journal



All The Good and the Beautiful science units include activities for a science journal. For each child, prepare a 1- or 2-in. 3-ring binder to function as his or her science journal.

Tabbed divider pages can be used to separate the different units. All completed journal activities are to be kept in the science binder. If desired, have the child create a cover and insert it under the clear cover of the binder.

Science Wall



All The Good and the Beautiful science units include vocabulary words to be placed on your science wall, which is a wall or trifold presentation board in your learning area on which you can attach the vocabulary words and other images. **Cut out the vocabulary word cards at the beginning of the unit.** The course will indicate when to place them on the wall.

Lesson Preparation

All The Good and the Beautiful science units include easy-to-follow lesson preparation directions at the beginning of each lesson.

Lesson Mini Books



Some lessons in this unit incorporate science mini books. If you bought the PDF download only, print the pages single sided. To assemble the mini books, cut them in half along the dotted lines, stack the pages together with the page numbers in the correct order, and staple them twice along the left side.

Activities and Experiments



Many of The Good and the Beautiful science lessons involve hands-on activities and experiments. **An adult should always closely supervise children as they participate in the activities and experiments to ensure they are following all necessary safety procedures.**



Unit Videos



Some lessons include videos that were created by The Good and the Beautiful. Have a device available capable of playing the videos from goodandbeautiful.com/sciencevideos.

Content for Older Children



Some lessons include extra content that is more applicable for older children (grades 5–8). Parents or teachers may choose to skip this content if instructing only younger children.

Content for Younger Children



Some lessons include extra content that is more applicable for younger children (grades K–4). Parents or teachers may choose to skip this content if instructing only older children.

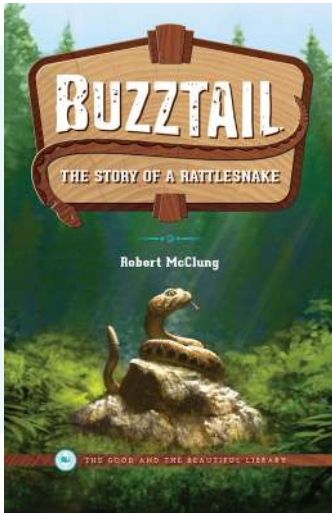
Versions

New discoveries in reptiles, amphibians, and fish are being made on an ongoing basis. This course is reviewed and revised periodically to keep information as up-to-date as possible. This version is the first edition of this unit.

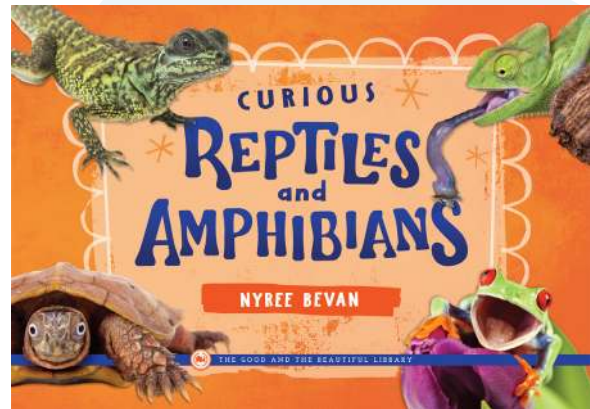


READ-ALoud BOOK PACK

The books below are optional read-aloud books that complement this unit. These books can be purchased as a book pack by going to goodandbeautiful.com/science and clicking on the *Reptiles, Amphibians, and Fish* unit.



Buzztail: The Story of a Rattlesnake
by Robert McClung

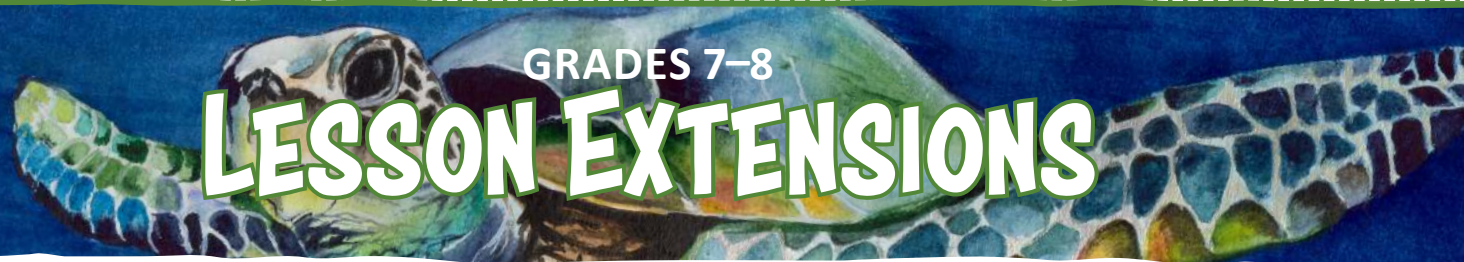


Curious Reptiles and Amphibians
by Nyree Bevan



CORRELATED BOOKS

The Good and the Beautiful Library has several books that correlate well with the *Reptiles, Amphibians, and Fish* unit. It can be a wonderful experience for children to read books on their levels related to the subjects they are learning in science. The library includes both fiction and nonfiction books organized according to reading level. Find the correlated books by going to goodandbeautiful.com/science and clicking on the *Reptiles, Amphibians, and Fish* unit.



How the Extensions Work

Each lesson has an optional lesson extension for children in grades 7–8. Complete the lesson with all the children, and then have the older children complete the self-directed lesson extension. These extensions are generally located at the end of the lesson, though some are combined on a page, and you will need to turn back to them.

Answer Key

The answer key for the lesson extensions can be found by going to goodandbeautiful.com/science and clicking on the *Reptiles, Amphibians, and Fish* unit. From there click on the “FAQs, Helps, and Extras” tab.

Flexibility

The amount of time it will take to complete each lesson extension will vary for each child. The average time is about 10–15 minutes per extension. Parents/teachers and children may choose to omit parts of the lesson extension if desired. Encourage the children to stretch their capabilities, but also reduce work if needed.

Science Journal

The extension pages are nonconsumable. The children will do their work on separate sheets of paper and insert them into their science journal binders along with any science journal pages done during the lessons. Have ruled paper and blank white paper on hand for journal activities.

Children are encouraged to take ownership of their science journals and put forth an effort to make the journals visually appealing. The journals will be something the children can treasure. The children should use color and illustrations where possible. Have the children view the sample pages below.

Taking Notes

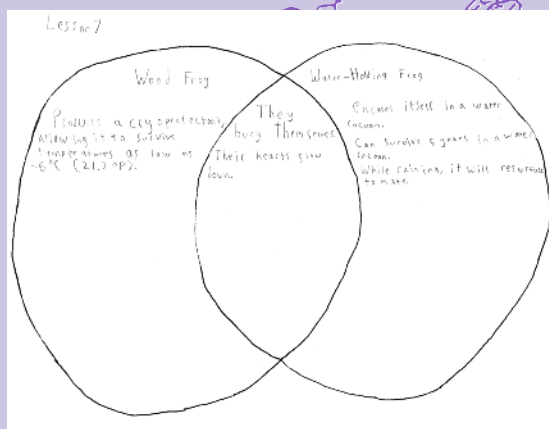
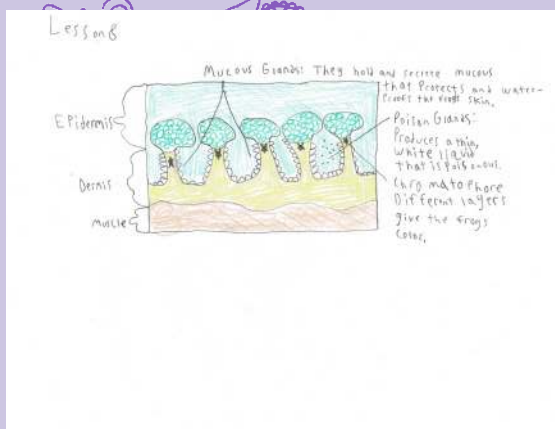
Some of the Grades 7–8 Lesson Extensions have the children summarize the material read. Teach the children to look for key information, summarizing the most important points. Students can also add notes with their thoughts and the facts that are most interesting to them.

Optional Grades 7–8 Reading Book

We recommend *The Reptiles, Amphibians, and Fish Questions & Answers Book* by The Good and the Beautiful Team as extra reading for students in grades 7–8. This book can be purchased by going to goodandbeautiful.com/science and clicking on the *Reptiles, Amphibians, and Fish* unit.



The Reptiles, Amphibians, and Fish Questions & Answers Book by The Good and the Beautiful Team



SUPPLIES NEEDED

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Lesson 1

- Flashlight for each child (optional)
- Tape
- Body temperature thermometer
- Air temperature thermometer or house thermostat
- Weather app

Lesson 2

- Scissors (1 pair per child)
- Tape

Lesson 3

- 1 game marker for each player (a coin, bean, pebble, etc.)

Lesson 4

- White school glue
- Scissors (1 pair per child)
- Glue stick

Lesson 5

- White school glue or glue stick

Lesson 6

- Colored pencils or markers in blue, green, and brown

Lesson 7

- Colored pencils

Lesson 8

- 1 party blower or noisemaker or straw per child
- Roll of masking tape, painter's tape, or duct tape
- Glue stick

Lesson 9

- 2 freezable plastic containers, with lids, big enough to hold 1 c of liquid
- 1 c water
- Permanent or dry-erase marker
- 1 c maple or corn syrup

Lesson 10

- 2 hard-boiled eggs (leave shell on one of the eggs)
- Food coloring (any color)
- 2 glasses
- Tap water

Lesson 11

- Glue stick
- 2 Tbsp ground coffee or black pepper
- Paper coffee filter
- 2 clear cups
- A rubber band
- Water

Lesson 12

- Glue

Lesson 13

- None