

# MAMMALS

K - 8 Science Unit Study



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Written 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" to 2" 3-ring binder to function as his or her science journal. Tabbed divider pages can be used to separate the different units. Also, have wide-ruled paper and blank white paper on hand for journal activities. 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 a 3-fold 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 twice along the left side.



## Mammals of the World Map and Sticker Activity

This unit includes the Mammals of the World Map and a set of stickers. When prompted during a lesson, a child will place the noted sticker on a specified location on the map, typically where the mammal is most commonly found. This is a great visual tool for the children.

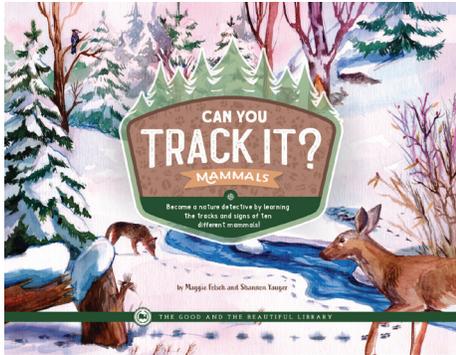


## Videos

Some lessons include videos created by The Good and the Beautiful. Have a device capable of streaming video from the internet available. The videos can be viewed at [goodandbeautiful.com/sciencevideos](http://goodandbeautiful.com/sciencevideos).

# Optional Read-Aloud Book Pack

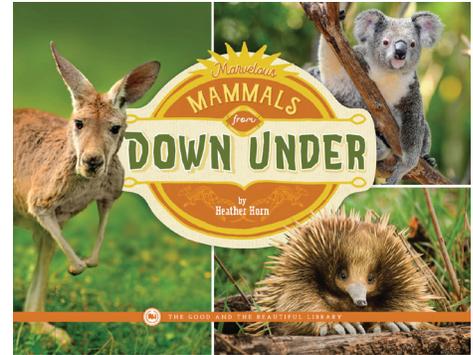
The three books below are optional read-aloud books that complement this unit. These books are available individually or as a pack at [goodandbeautiful.com](http://goodandbeautiful.com) on the Mammals science unit product page. The lessons suggest when to read these books.



***Can You Track It? Mammals***  
by Maggie Felsch and Shannen Yauger  
*Used in Lessons 5 and 7*



***Mammals of Small Pond***  
by Phoebe Erickson  
*Used in Lessons 2 and 4*



***Marvelous Mammals from Down Under***  
by Heather Horn  
*Used in Lesson 9*

## Correlated Books

The Good and the Beautiful Library has several books that correlate well with this unit. It can be a wonderful experience for children to read books on their levels related to the subjects they are learning in science. These books are both fiction and nonfiction and are organized according to reading level. Find the Correlated Books at [goodandbeautiful.com](http://goodandbeautiful.com) on the Mammals science unit product page.

# Grades 7–8 Lesson Extensions Information

For students in Grades 7–8, complete the parent/teacher directed lesson with the children, and then have the children in Grades 7–8 complete the self-directed extension located at the end of each lesson. The lesson extensions answer key was included with the PDF download of this unit. It can also be found at [goodandbeautiful.com](http://goodandbeautiful.com) by navigating to the Mammals science unit page and clicking on FAQs, Helps, and Extras.

## Flexibility

The amount of time it will take to complete each lesson extension will vary for each child. Some lessons provide an option to complete one or both parts of the assignments. Encourage the children to stretch their capabilities; however, allow them to modify the extensions to suit their capacity if needed.

## Science Journal

The extension pages are non-consumable. The children will do their own work on separate sheets of paper and insert them into their science journal binders along with any science journal pages done during the lessons.

Children are encouraged to take ownership of their science journals, going the extra mile to make the

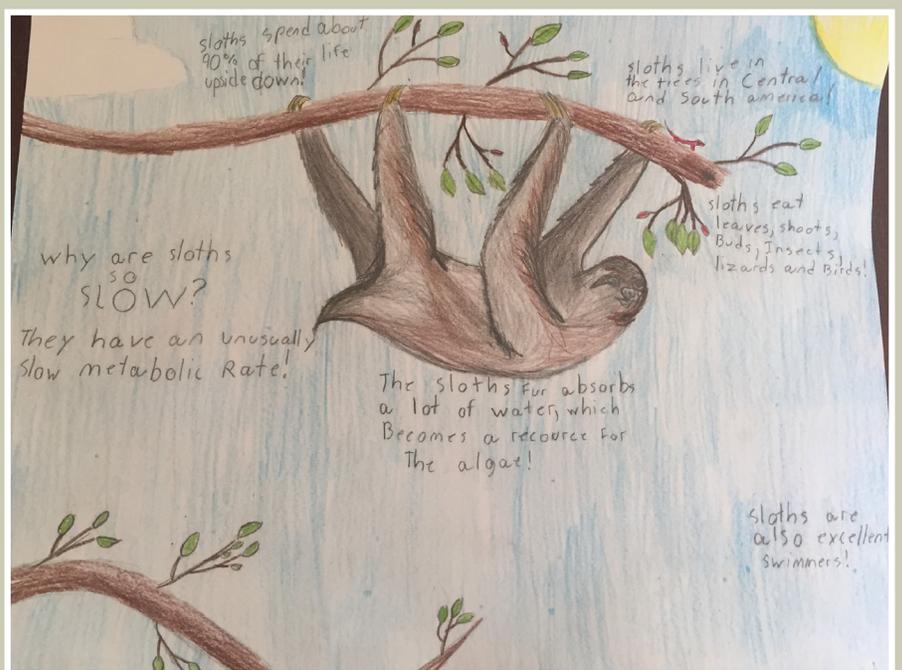
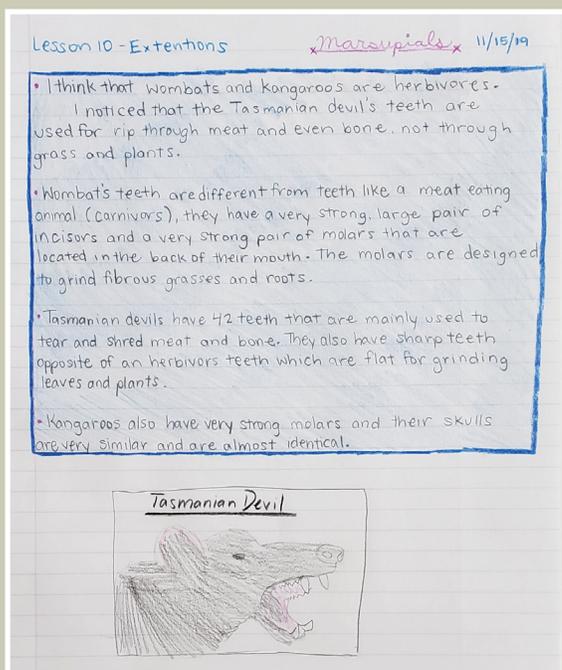
journals visually appealing. The journals will be something the children can treasure for the rest of their lives. The children should use color and illustrations where possible. Have the children view the sample journal pages below.

## Taking Notes

Some of the Grades 7–8 extension lessons have the children summarize the material they have read. Teach the children to look for key information, summarizing the most important points. In addition, the children can add their thoughts and the facts that are most interesting to them.

## Optional Grades 7–8 Reading Book

We recommend the book *Prairie Dog Town* by Margaret Thomsen Raymond and Carl O. Mohr as extra reading for students in Grades 7–8. This book can be purchased at [goodandbeautiful.com](http://goodandbeautiful.com) on the Mammals science unit product page or at [goodandbeautiful.com/library](http://goodandbeautiful.com/library). In this engaging book, readers will explore the skillfully and carefully planned underground tunnel system of prairie dogs in addition to learning about their neighbors, such as jackrabbits, ferrets, badgers, antelope, and more!



# MAMMALS

## Supplies Needed

### Lesson 1

- A device to play a video
- A piece of fruit or vegetable (or an image of it)
- A piece of meat (or an image of it)
- A whiteboard and dry-erase marker

### Lesson 2

Optional Activity—Milking a Cow:

- A rubber glove (a thicker glove is preferred)
- Milk (or water mixed with white paint)
- A string or rubber band
- A pin or needle
- A bowl or container to catch the milk (or water)
- A black permanent marker (optional)

Optional Activity—Bursting Milk:

- $\frac{3}{4}$  cup whole milk (lower fat milk will not work)
- Food coloring (any colors)
- Dish soap
- Cotton swabs
- A shallow dish or pan
- Heavy cream (optional)

### Lesson 3

- A measuring tape
- Something to mark a distance (e.g., sidewalk chalk, a ribbon, etc.)
- A stopwatch

### Lesson 4

- A device to play a video

### Lesson 5

- A blank piece of paper for each child on which to glue the “Elephant Puzzle” pieces
- A whiteboard and dry-erase marker
- A glue stick
- A stuffed animal (if doing the actions with the activity “Social Behaviors of Elephants”)

### Lesson 6

*Note: For items with an asterisk (\*), you may choose to provide one per child, or they may take turns using the items. You only need one each of the other items.*

- A hand mirror
- A pair of soft gloves or mittens (if available)\*
- A pencil\*
- A piece of scrap paper\*
- A piece of string or shoelace\*
- A soft object to be thrown\*
- A water bottle\*
- Tape

Optional Activity:

- An empty water bottle
- A small piece of food that fits into the empty water bottle and floats in water (e.g., a marshmallow or peanut)

*Note: Do not hint to the children that the food item can float.*

### Lesson 7

- Have ready an instrumental song (e.g., Gershwin’s “Rhapsody in Blue”).

### **Lesson 8**

- A whiteboard and dry-erase marker
- A glue stick
- A pair of scissors for each child (or to share)
- A map to show the locations of Anchorage and Nome, Alaska (optional)

### **Lesson 9**

- Colored pencils (optional)
- Tape (optional)

### **Lesson 10**

- A glue stick
- A sample of wool or wool-like material (such as a wool sock)
- A sample of water-repellent material (such as a raincoat)
- An insulated tumbler (if available)

Optional Activity:

- Natural-colored paints like red, brown, yellow, orange, white, and black
- Paintbrushes and/or cotton swabs
- A sheet of blank or watercolor paper for any children who will want to create their own art rather than use one or more of the coloring pages that are included in the lesson

### **Lesson 11**

- 3–4 random objects that make noise, such as two spoons banging together, a stapler, a book closing, etc. (Keep these items hidden from the children.)
- An open area safe for a blindfolded child to move around in during a game
- A blindfold
- A pair of scissors for each child (or to share)
- A glue stick
- A device to play a video

### **Lesson 12**

- A marker or a set of five items, such as buttons, beans, etc., to mark off the “Five Senses” chart

Optional Activity:

- A blindfold
- A food item with a strong scent placed on a spoon or in a cup (e.g., peanut butter, chocolate, fruity candy, etc.)

### **Lesson 13**

- A glue stick
- A tray of food samples (enough for each child): berries, nuts, meat, vegetables, corn, and honey

### **Lesson 14**

- A glue stick
- A pair of scissors for each child (or to share)
- Colored pencils

Optional Activity:

- A different color marker for each child