

BIRDS

3-8 Science Unit Study



THE GOOD AND THE BEAUTIFUL

BIRDS

CREATED BY THE GOOD AND THE BEAUTIFUL TEAM



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UNIT INFORMATION

Student Journal



All The Good and the Beautiful science units include activities in a student journal. Each student should have his or her own student journal, and the parent or teacher will direct the student regarding when to complete the activities in the lessons. The journal can be purchased by going to goodandbeautiful.com/science and clicking on the *Birds* unit link.

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.

Activities



Many of The Good and the Beautiful science lessons involve hands-on activities. An adult should always closely supervise children as they participate in the activities to ensure they are following all necessary safety procedures. This unit does not contain any experiments.

Unit Videos



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

Content for Older Children



Some lessons include extra content that is more applicable for older children (grades 7–8). 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 3–6). Parents or teachers may choose to skip this content if instructing only older children.

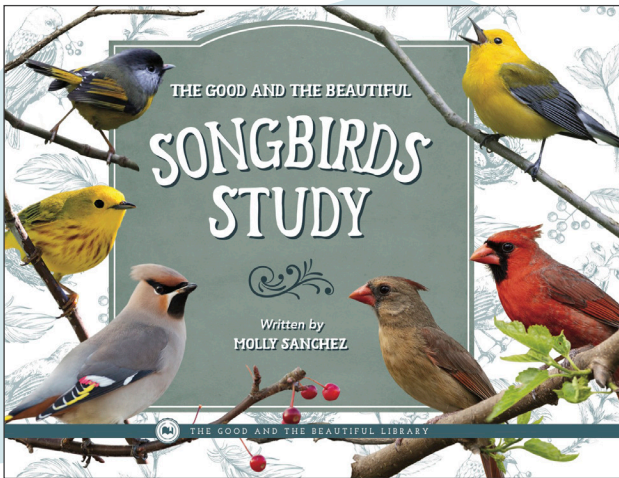
Versions

New discoveries in the study of birds are 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 second 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 *Birds* unit link.



The Good and the Beautiful Songbirds Study
By Molly Sanchez



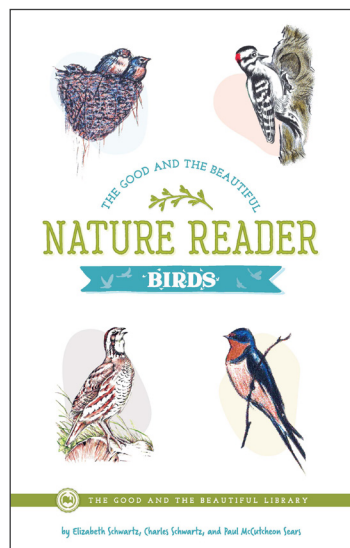
Mission Migration
By Ileana Board

CORRELATED LEARNING

The Good and the Beautiful has several books and activities that correlate well with the *Birds* unit. It can be a wonderful experience for children to interact with hands-on activities related to the subjects they are learning in science. Find these correlated products by going to goodandbeautiful.com/science and clicking on the *Birds* science unit product page.



Birdwatching Notebook



The Good and the Beautiful Nature Reader—Birds
By Elizabeth Schwartz, Charles Schwartz, and Paul McCutcheon Sears



Snatch! A Birds of Prey Game

LESSON EXTENSIONS

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 located in the *Grades 7–8 Student Journal*.

Answer Key

The answer key for the lesson extensions can be found on the free Good and Beautiful Homeschool app in the science section. Visit goodandbeautiful.com/apps for information on accessing the app. The app can be accessed from a computer, phone, or tablet.

Flexibility

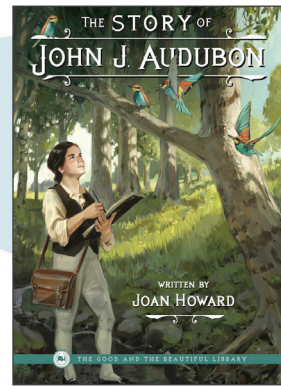
The amount of time it will take to complete each lesson extension will vary for each child. The average time is about 10–15 minutes per extension. Parents, teachers, and children may choose to omit parts of the lesson extension if desired. Encourage the children to stretch their capabilities, but also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

Taking Notes

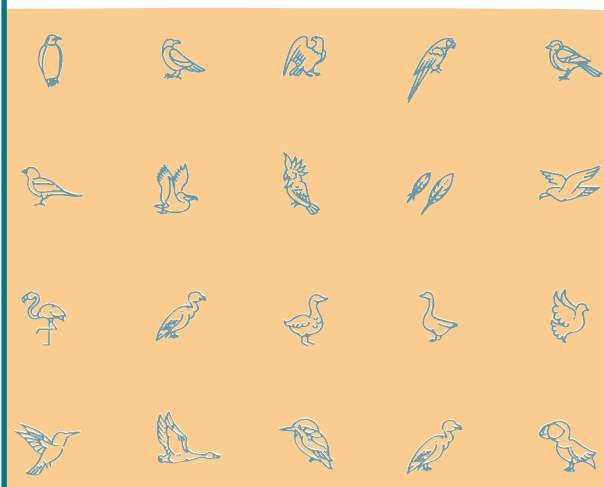
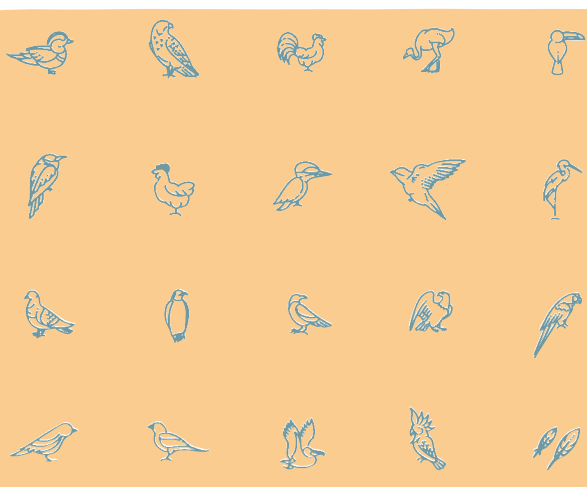
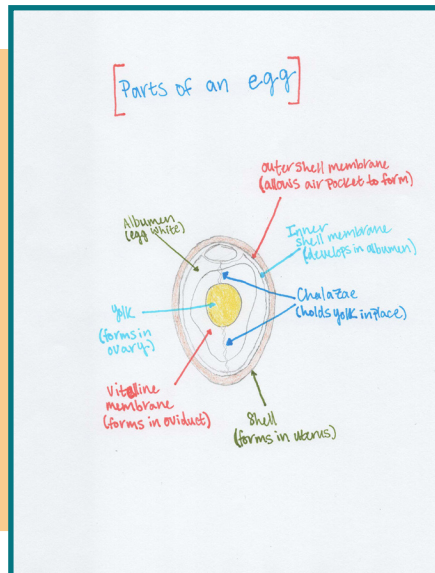
Some of the grades 7–8 lesson extensions have the children summarize the material read. Teach the children to look for key information, summarizing the most important points. Students can also add notes with their thoughts and the facts that are most interesting to them.

Optional Grades 7–8 Reading Book

We recommend *The Story of John J. Audubon* as extra reading for students in grades 7–8. This book can be purchased by going to goodandbeautiful.com/science and clicking on the *Birds* unit link.



The Story of John J. Audubon
By Joan Howard



SUPPLIES NEEDED



You will need the following supplies for activities. This unit does not contain any experiments.

Lesson 1

- Stapler

Lesson 2

- Binoculars (optional)
- Clipboard or 3-ring binder for each child's "Birdwatching Notebook"

Optional Activity Supplies (per child):

Pine Cone Bird Feeder

- 20-cm (8-in) string
- 1 pine cone or stale bagel
- Butter knife
- 2 Tbsp nut butter, seed butter, or shortening
- $\frac{1}{4}$ c birdseed in a bowl

Plastic Bottle Bird Feeder

- Sharp scissors
- Clean, dry plastic bottle with a cap
- 2 chopsticks or pencils
- Birdseed (enough to fill about $\frac{1}{2}$ of the bottle)
- 30-cm (12-in) string

Lesson 3

- 5 small bowls
- Dried beans or rice
- Peanuts or sunflower seeds in the shell
- Gummy worms, cooked spaghetti, or cut rubber bands
- Cracker crumbs or sugar
- Water
- Large marshmallows
- Tweezers
- Pliers

- Tongs
- 1 drinking straw
- Scissors
- Glue stick

Lesson 4

- 1 sheet of paper, cut in half, for each child
- Stopwatch or timer

Lesson 5

- Scissors
- 1 round-head paper fastener (brad) per child
- Thermometer for air temperature (analog or digital—one per child if possible)
- Scrap piece of paper
- Glue stick

Lesson 6

- Scissors
- Tape
- Construction paper
- Cooking oil
- Paintbrush (optional)
- Water dropper or sponge

Lesson 7

- Measuring tape
- 1 quarter (coin)
- 2 pinto beans or jelly beans
- 1 average-sized cantaloupe (optional)
- 1 penny (coin)

SUPPLIES NEEDED

(CONTINUED)

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You will need the following supplies for activities. This unit does not contain any experiments.

Lesson 8

- 1 sheet of newspaper
- Masking tape
- Measuring tape
- Colored pencils

Optional Activity Supplies (per child):

- Owl pellet (*Note: As SANITIZED owl pellets need to be purchased from a reputable seller, be sure to allow enough time for shipping.*)
- Rubber gloves
- Plate or piece of paper
- Tweezers
- Toothpicks
- Magnifying glass (optional)
- Bowl of water (optional)
- Glue (optional)
- Piece of cardboard (optional)

Lesson 9

- None

Lesson 10

- Compass or compass app (optional)
- Pencil
- Paper clip
- Tape

Lesson 11

- Bandana or necktie for each younger child
- Glue or an envelope (optional)
- Measuring tape or yardstick
- Painter's tape

Lesson 12

- Glue stick

Lesson 13

- Colorful sock
- 1 banana per child
- 1 toothpick or skewer per child
- Handful of chocolate chips or raisins per child (optional)
- Bowl of water
- Small strainer or slotted spoon
- Several pieces of dry cereal
- Empty metal container, such as a can or water flask
- Shallow bowl half full of water
- 1–2 Tbsp uncooked rice
- Toothbrush
- Spoon

Lesson 14

- Bingo markers, such as coins, beans, buttons, or small pieces of candy

