

*Lapbooking
through
Biology*

Created by Paige Hudson

Lapbooking through Biology

Lapbooking through Biology is a unique and versatile program that leads you through a survey of animals, the human body and plants using lapbooks to document the journey. It is designed to be a gentle approach to the classical education cycle for science. *Lapbooking through Biology* can be used as a stand-alone science program for K-2nd grade or in conjunction with one of the other Biology programs offered by Elemental Science for an older student.

What is included in this program:

Lapbooking through Biology includes a reading plan broken up into weekly lessons. There are 18 lessons on animals, 2 lessons on animal habitats, 10 lessons on the human body and 6 lessons on plants. The reading assignments are broken into two level, younger students (K-2nd grade) and older students (3rd-5th grade). This program also includes plans for 4 lapbooks to coordinate with what has been read. Finally all the templates and pictures you need are included in this guide.

How to use this program:

Each lesson is designed to be completed over one week. The lessons contain 2-4 reading assignments from the selected books. You can choose to break the readings up over the week or do all the readings at one time during the week. If you are using this program with an older student you can choose to have them read the assigned pages on their own or to read the pages with them. After you complete the reading assignment, have your student give you a one to two sentence narration about what you read for their lapbook. This can simply be what they found most interesting about the animal or something new they learned from the reading. You can choose to write the sentences for them or have them copy them into the mini-book. If you using this program with an older student have them do all their own writing. Have your student color the related picture on the mini-book. Once the book is complete, glue it into their lapbook using the overview sheet as a guide.

If you are using *Lapbooking for Biology* alongside of *Biology for the Grammar Stage*, you have two options for using this program. First you can use the lapbooks in place of the student notebook for the narrations. As your student gives their narrations each day, write them down in the lapbook instead of on the narration pages in the student notebook. Your second option is to use the lapbooks for review on Day 5 of your week. At the end of the week simply have your student read back over their narrations from the week and choose their favorite parts to write in their lapbook after they color the picture.

Coordinating Resources:

The following programs are sold separately from Elemental Science. They coordinate with *Lapbooking Through Biology* and are designed to enhance your study of Biology.

✓ *Biology for the Grammar Stage:*

Biology for the grammar stage includes a 20 week study of animals, a 10 week study of the human body, and a 6 week study of plants. It contains plans for ongoing projects, relevant experiments and narrations with pictures. The teacher's guide is easily laid out, all you need to do is gather the books and supplies for the week. The student workbook

contains all the pages you will need for your student.

✓ *Nature Studies in Biology:*

This program will lead you and your student through discovering the field of biology in nature. It gives you a plan for weekly outdoor time, science journaling and additional readings and activities that coordinate with what the student has been observing outdoors.

Final Thoughts:

As the author and publisher of this curriculum I encourage you to contact me with any questions or problems that you might have concerning Lapbooking through Biology at info@elementalscience.com. I will be more than happy to answer them as soon as I am able. You may also get additional help at the Elemental Science yahoo group. I hope that you will enjoy creating memories using Lapbooking through Biology!

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Books & Materials List

Books Scheduled:

The following are the books that I used while planning the reading assignments for this curriculum.

Younger Students

- *Kingfisher First Encyclopedia of Animals (ISBN-13: 978-0753459225)*
- *Habitat books (you can check these books out of the library or choose your own)*
 - A Desert Habitat (Introducing Habitats)* by Kelley Macaulay and Bobbie Kalman
 - A Grassland Habitat (Introducing Habitats)* by Kelley Macaulay and Bobbie Kalman
 - A Forest Habitat (Introducing Habitats)* by Bobbie Kalman
 - The Arctic Habitat (Introducing Habitats)* by Molly Aloian and Bobbie Kalman
- *DK First Human Body Encyclopedia*
- *Plant Parts (Life of Plant Series)*

Older Students

- *DK Encyclopedia of Animals*
- *Usborne Internet-linked Encyclopedia of Science*

However you could certainly use the encyclopedia's you already have on hand or books from the library. Simply look up the topic assigned for the day. Then read about it and complete the section in your lapbook.

I chose not to include a list of other resources because every library is different and books frequently go out of print. If you want to supplement this curriculum with other books by all means, do! I highly recommend the *Let's Read and Find Out Series* for this age group. Also, your local librarian is an excellent resource and can point you in the direction of some excellent books about the subjects studied.

Additional Materials Needed:

The following materials will be needed to complete the lapbook projects.

- ✓ 10 sheets of 8 ½ by 11 cardstock or 5 file folders
- ✓ Colored pencils or crayons
- ✓ Markers for decorating the cover
- ✓ Glue stick
- ✓ Scissors
- ✓ Stapler

Overview of Study

Habitat Lapbook (2 lessons on animal habitats)

- ✓ Desert
- ✓ Grasslands
- ✓ Forest
- ✓ Arctic

Animal Lessons (18 lessons on animals)

- ✓ Mammals—24 animals
- ✓ Birds—12 animals
- ✓ Reptiles & Amphibians—6 animals
- ✓ Fish—3 animals
- ✓ Invertebrates—5 animals
- ✓ Insects—4 animals

Human Body Lessons (10 lessons on the human body)

- ✓ Basic Building Blocks
- ✓ Skeletal System
- ✓ Muscular System
- ✓ Nervous System
- ✓ Senses
- ✓ Circulatory System
- ✓ Respiratory System
- ✓ Digestive System
- ✓ Urinary System
- ✓ Immune System

Plants Lessons (6 lessons on plants)

- ✓ Leaves
- ✓ Flowers
- ✓ Fruit/seeds
- ✓ Nuts/cones/spores
- ✓ Stems
- ✓ Roots

Plants Reading Assignments

Younger Students

All reading assignments are from the *Plant Parts* (Life of Plants Series). Read the selected pages then color the pictures and add your student's narration sentence to the mini-book.

Lesson 2: Flowers

Buds pg. 12-13, Flowers pg. 14-15, Kinds of Flowers pg.16-17

Older Students

All reading assignments are from the *Usborne Internet-Linked Science Encyclopedia*. Read the selected pages then color the pictures and add your student's narration sentence to the mini-book.

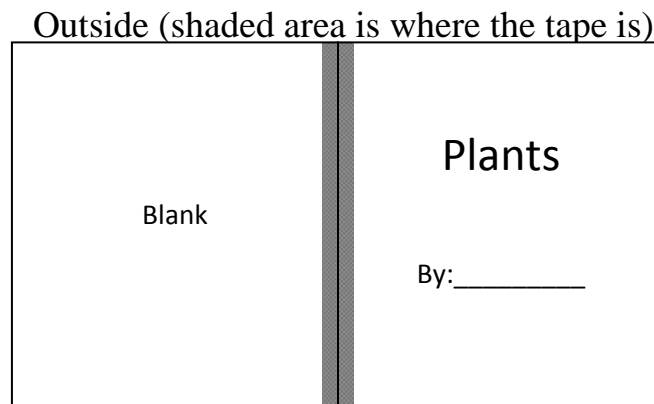
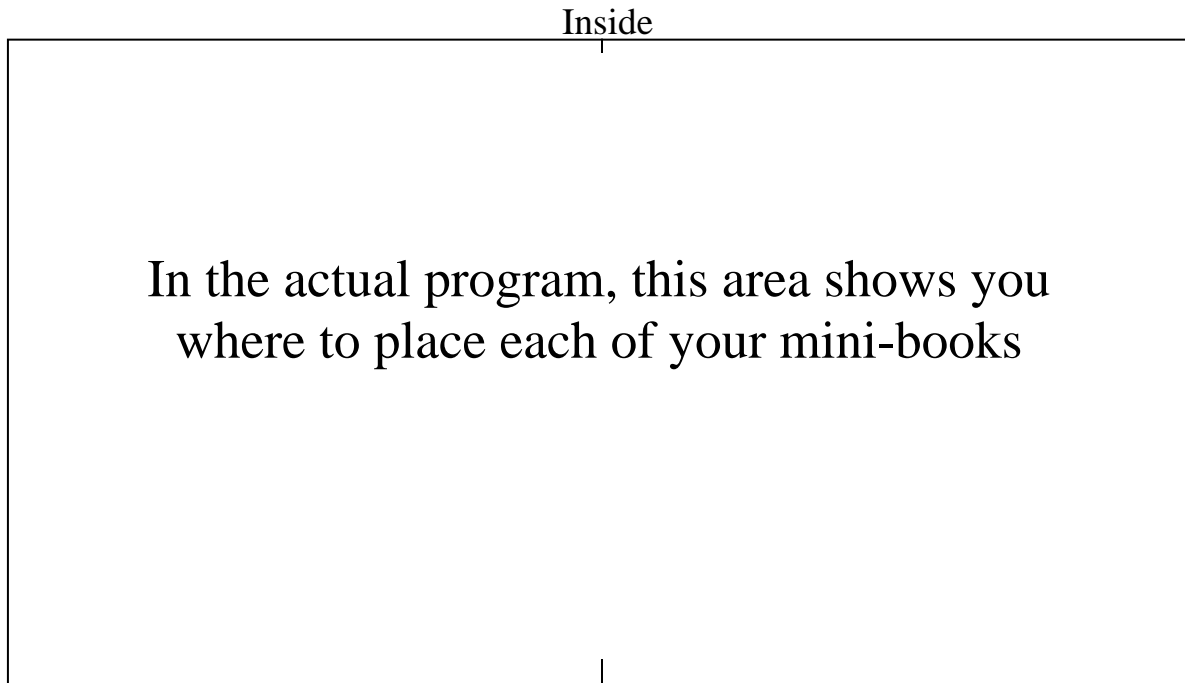
Lesson 2: Flowers

Flowering Plants pg. 270-273

In the actual program, there are reading lessons for each of the six weeks

Plants Lapbook

You will need 2 sheets of cardstock or one file folder. Begin by taping the two sheets together on the longest edge, to look like this...



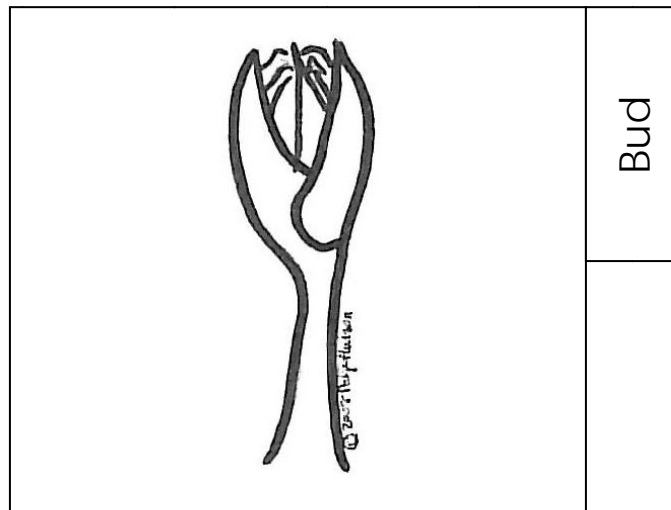
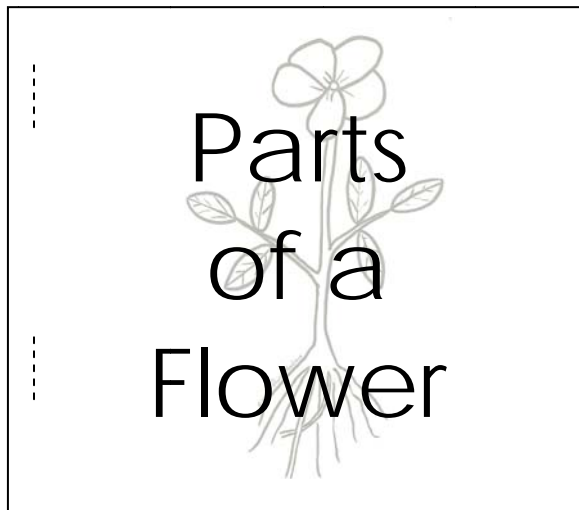
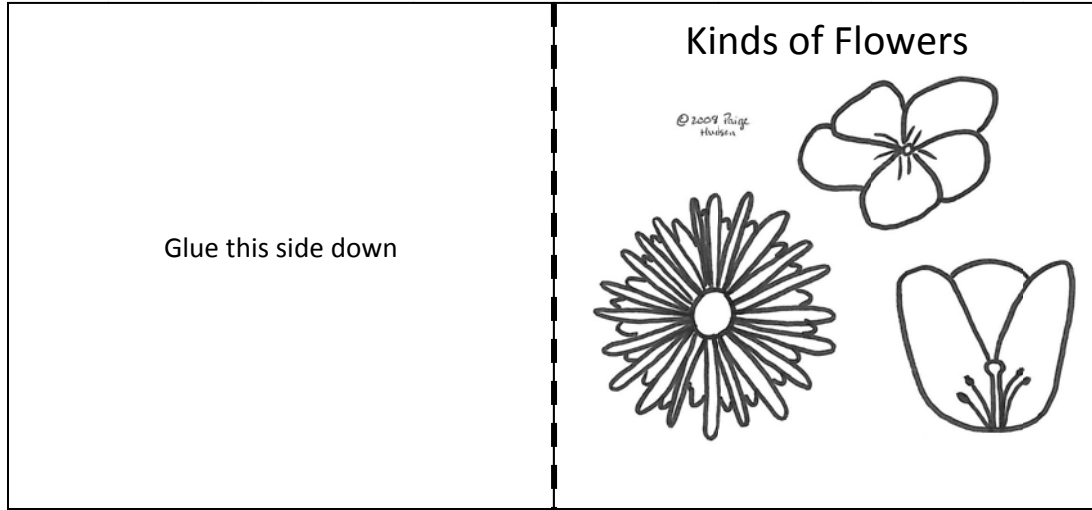
Overall Directions:

For each mini-book have the student color the pictures. Then write their narration sentences for your student or have them copy it on the inside of the mini-book. Finally glue in the mini-books and poems. You can use the cover template provided or allow your student to decorate the cover as they choose.

Templates for Plants Lapbook-Lessons 2

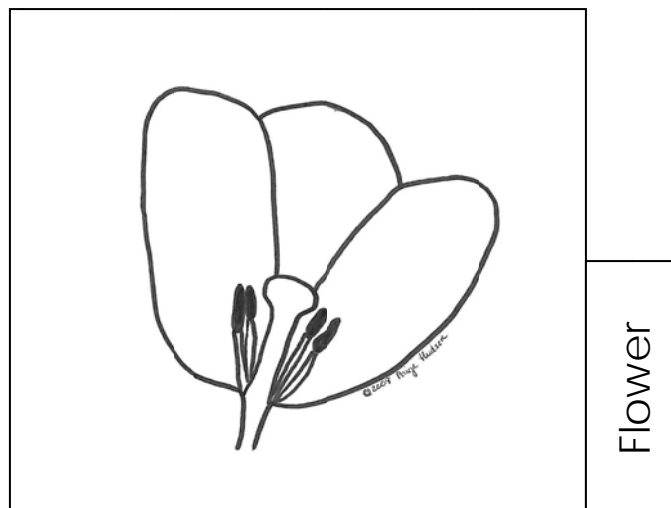
(Cut along the solid lines, staple the book along the dashed lines)

Color the pictures and write your student's narration sentence on the inside of the kinds of flowers book. Label the given parts for the parts of a flower book.



Label with bud and stem.

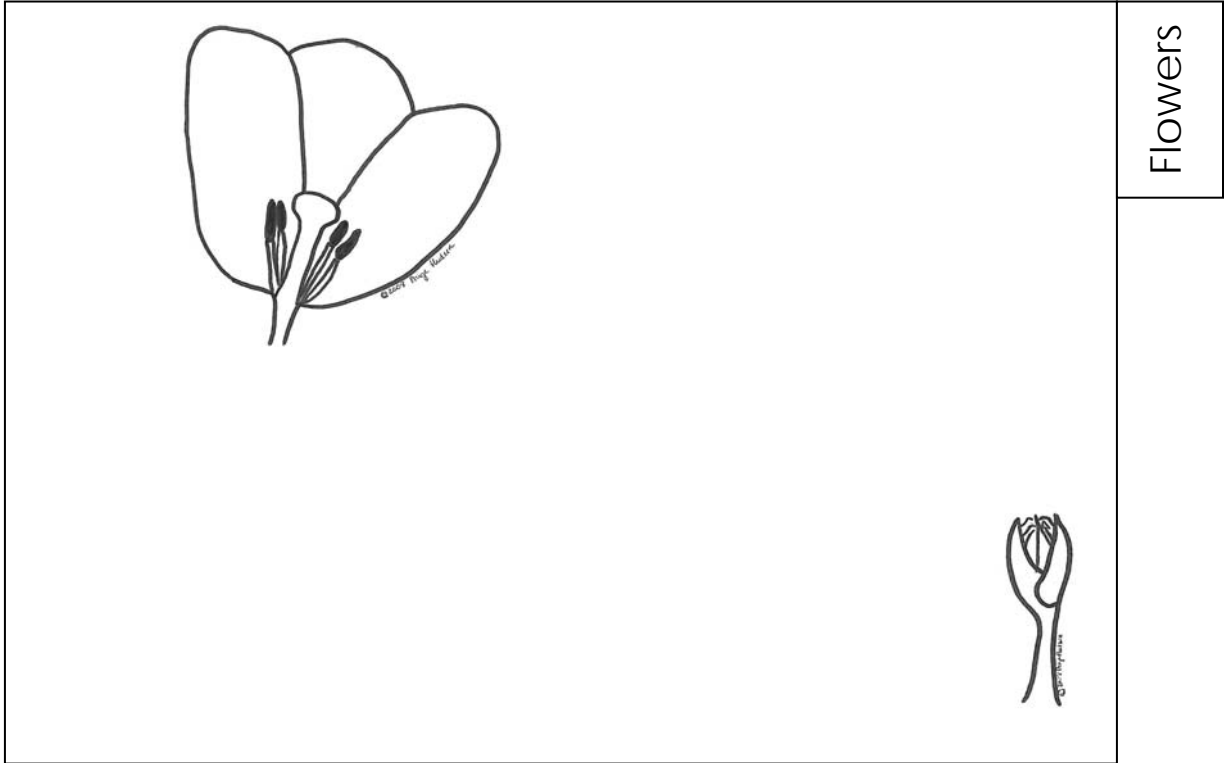
Label with pistol, stamen, petals. Glue the back of this page to the lapbook.



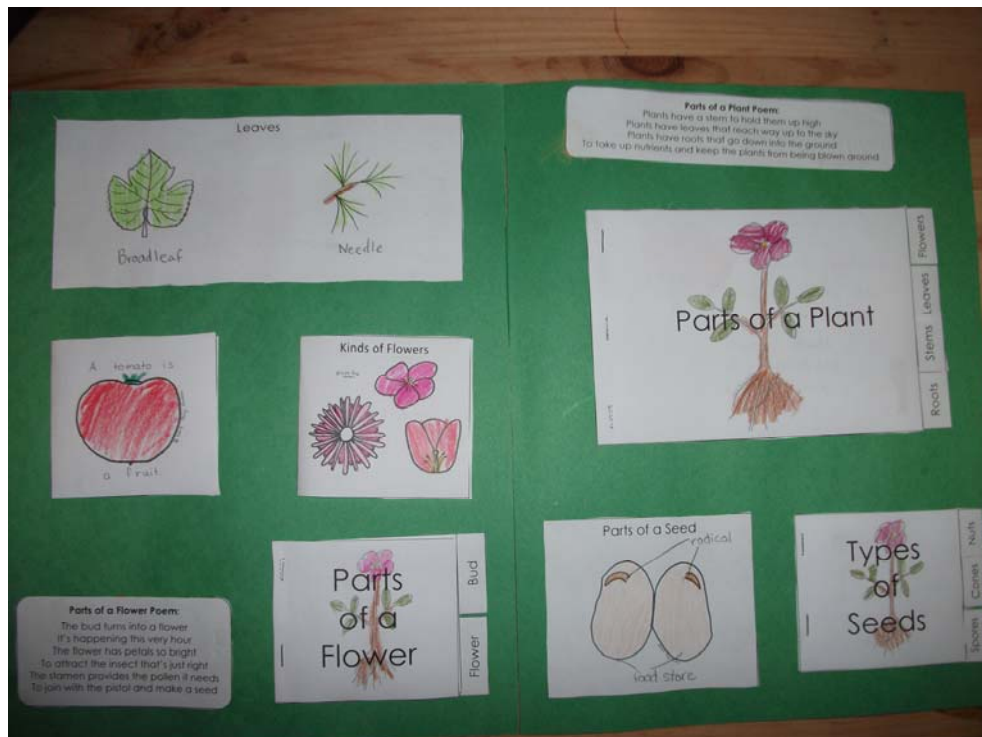
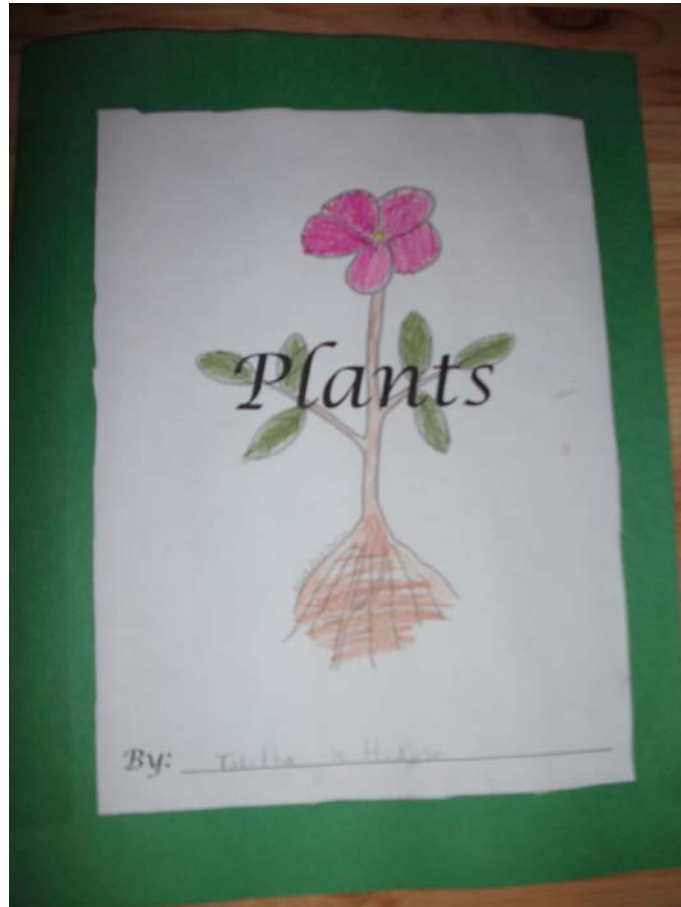
Templates for Plants Lapbook-Lessons 2

(Cut along the solid lines)

Color the pictures and add your student's narration to the flowers tab of the parts of plants book.



Pictures of a Completed Plant Lapbook



Pictures of a Completed Plant Lapbook

