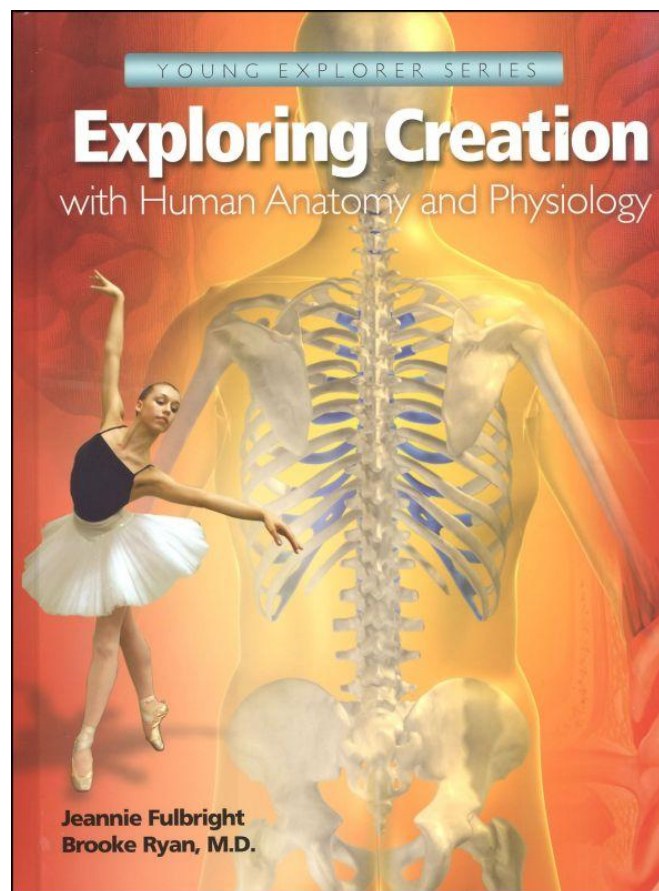




Grades 4 and up

Exploring Creation with Human Anatomy and Physiology Lapbook



A Journey Through Learning
www.ajourneythroughlearning.com

**Exploring Creation with Human
Anatomy and Physiology™ - Full Color Version**

Authors: Paula Winget and Nancy Filecia

Copyright © 2011 A Journey Through Learning

Pages may be copied for other members of household only. For group use,
please see our website to purchase a classroom/co-op license.

Sample Page

Please visit our website at:

www.ajourneythroughlearning.com

While there, sign up for our email newsletters and receive a FREE lapbook!

You'll also receive great discount codes, special offers, and find out
what's new and what's to come!

Join us on Facebook!

We would like to give a huge thank you to Jeannie Fulbright and Davis Carman
for their permission and support of this product.

Clip art from www.clipart.com

Materials Needed

What you need to get started

*A printed copy of the Exploring Creation with Human Anatomy and Physiology - Full Color Version by A Journey Through Learning

*Exploring Creation with Human Anatomy and Physiology book by Jeannie Fulbright and Brooke Ryan, M.D.

*14 colored file folders

*Scissors

*Glue (We recommend Zip Dry Glue)

*Hole puncher

*Brads

*Stapler

*Crayons and/or colored pencils

To make the storage system

*Duct tape

*One 3-ring binder

How to Start

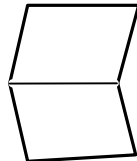
This lapbook is designed to be done with Apologia's Exploring Creation with Human Anatomy and Physiology textbook. There are 14 chapters in the Apologia textbook. Each chapter has one folder devoted just to that chapter, making it a total of 14 folders needed to complete this lapbook. Gather your folders and fold them so that they will be ready to use as you get to each lesson. Directions for folding are included on a following page.

At the top of each mini-booklet page are directions concerning the construction of your mini-booklet, pages to read from the Fulbright book (highlighted in bold text), and what your student will record in the mini-booklet after reading to show what is learned. A small key is also here to show you where to glue each mini-booklet into the folders.

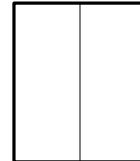
When the first two folders are filled up with the mini-booklets, follow the directions for using duct tape and a three-ring binder to make a storage system. Do this for all of your folders as they are completed by the student.

In the back you will an answer key, additional reading suggestions for each lesson, and enrichment pages.

Hamburger Fold-Fold horizontally



Hotdog Fold-Fold vertically

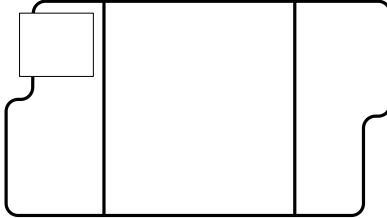


Folds-Labeled with a small line to show where the fold is and the words "hamburger fold" or "hotdog fold."

Dotted Lines-These are the cutting lines

Cover Labels-Some of the booklets will have a cover label that will need to be glued to the top to cover a blank space.

Lesson 2



Cut out the booklet as one piece. Fold inward on the two lines. Interlock the two tabs to close. Glue into lapbook. **Read The Skeletal System What Do Bones Do, Got Blood, Warehouse Wonder, Bone Brawn, and Let's Get Moving, pages 37-40.** What are the things bones do for your body?

Sample Page

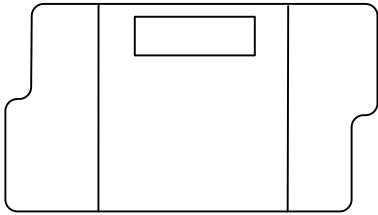
Bones Do?

Sample Page



What Do

Lesson 2



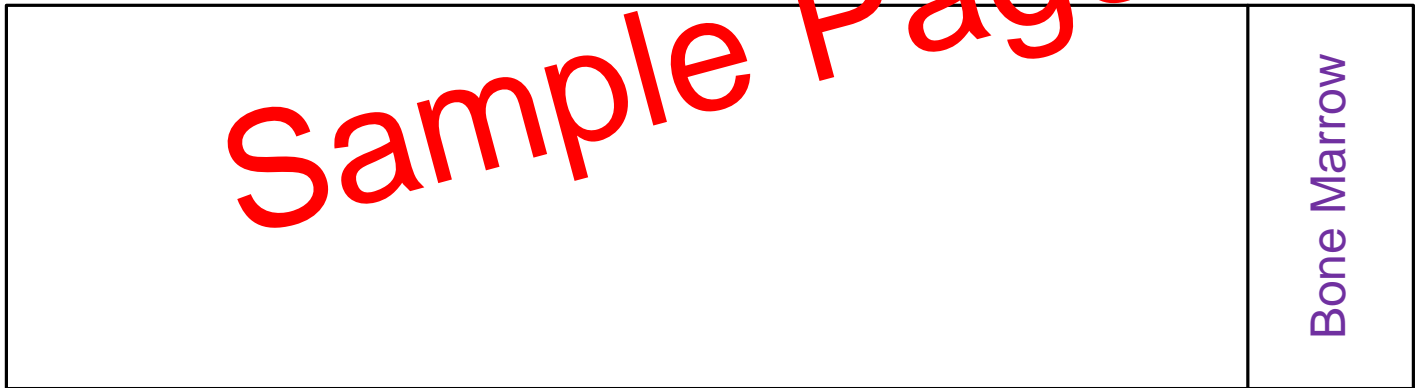
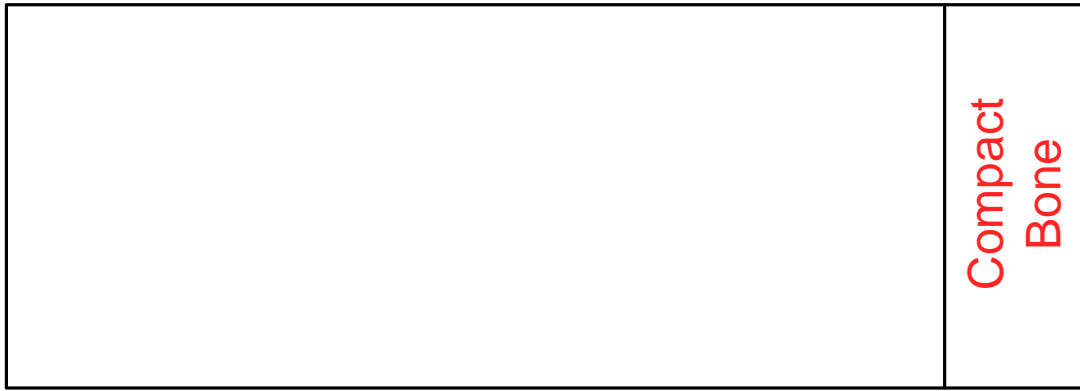
Cut out each piece on this page and the next. Stack pieces together in order with the tabs sticking out. Staple on the left. Glue into lapbook. **Read Bone Anatomy, On the Outside, Made to Last, Bouncy Bone, and In the Marrow, pages 41-42.** Write down something interesting you learned about each part of bone anatomy.

Bone Anatomy

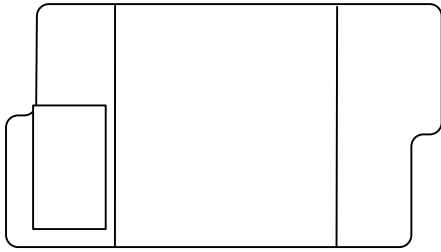


Sample Page

Periosteum



Lesson 2



Cut out around the outside line. Glue into lapbook. **Read *Bone's a Growing, Deep and Wide and Broken Bones*, pages 42-44.** Using the illustrations on page 44, draw in each stage of a broken bone and the healing process.

Broken Bones

Blood at the break



Blood clot



Callus

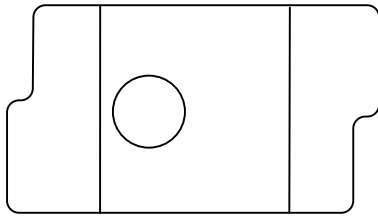


Bone that has healed

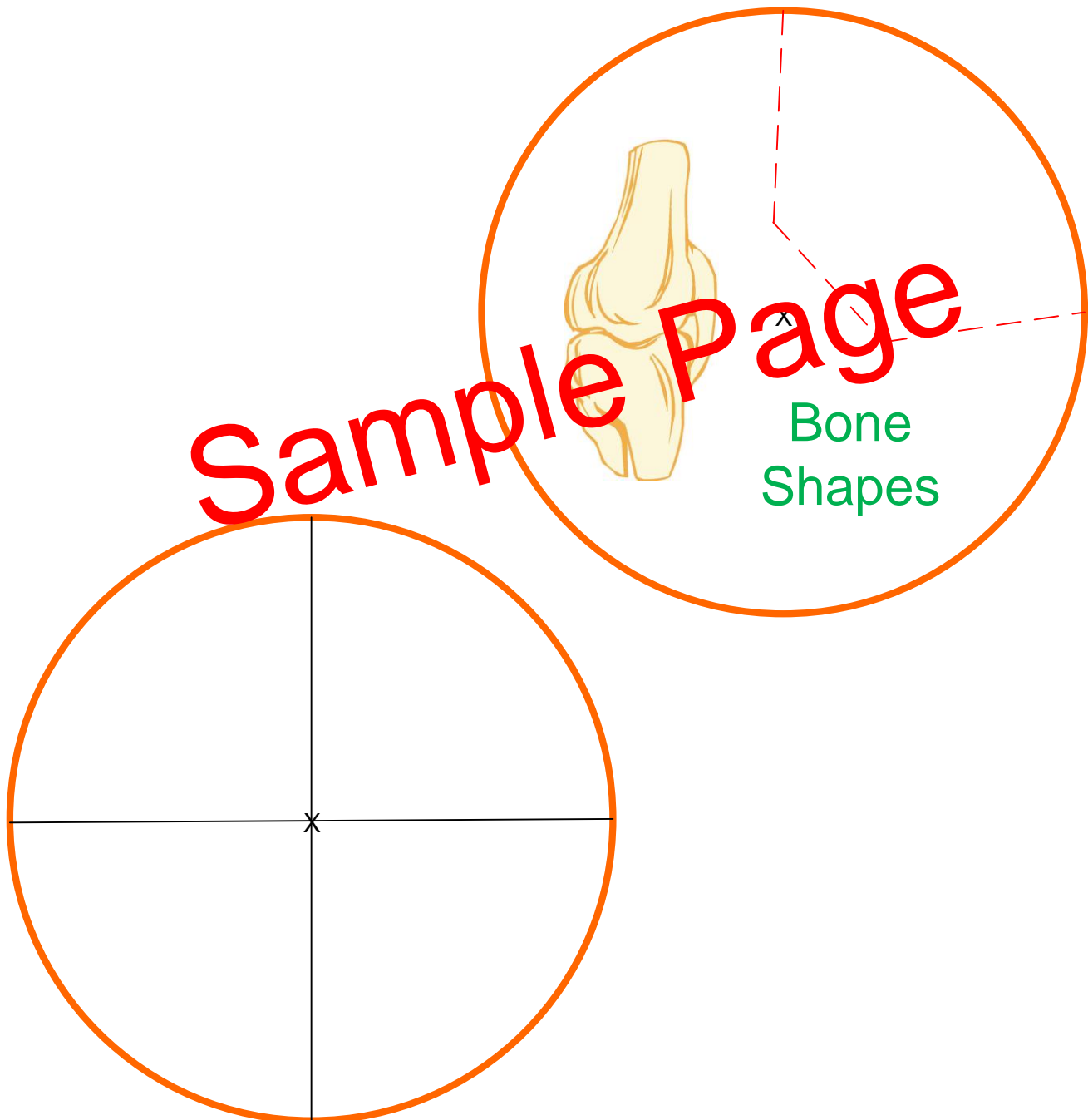


Sample Page

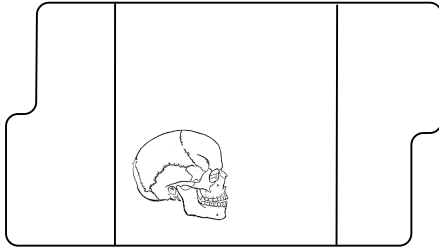
Lesson 2



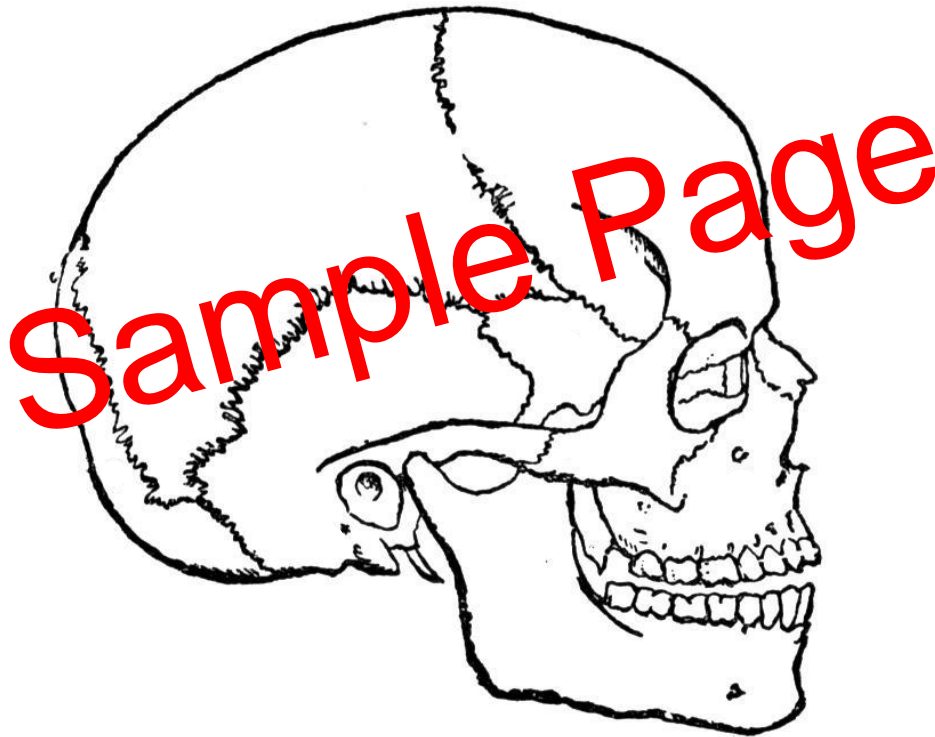
Cut out both circles. Cut out dotted wedge on title circle. Stack title circle on top of circle with wedges. Connect with a brass fastener in the middle so that "wheel" will turn. Glue into lapbook. **Read Bone Basics, Shapin' Up, Connect the Bones, and Ligaments, pages 45-46.** There are four shapes of bones mentioned in your reading. Write one kind of bone shape in each wedge.



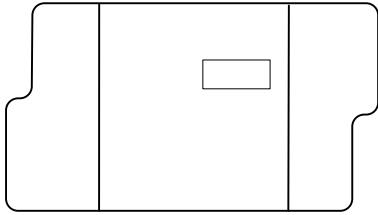
Lesson 2



Cut out the cranium. Glue into lapbook.
Read A Head of the Game and Let's Face it, pages 46-47. Using the illustration on page 46, color in the parts of the cranium.



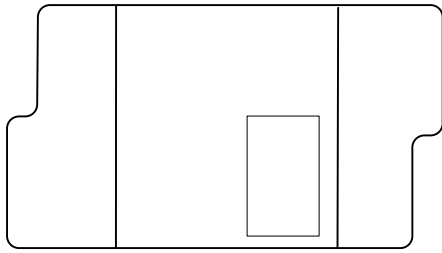
Lesson 2



Cut out as one piece. Hotdog fold on the middle line. Glue into lapbook. **Read Shivers Down Your Spine, page 47.** Inside of the booklet, list the 5 parts of the spine.



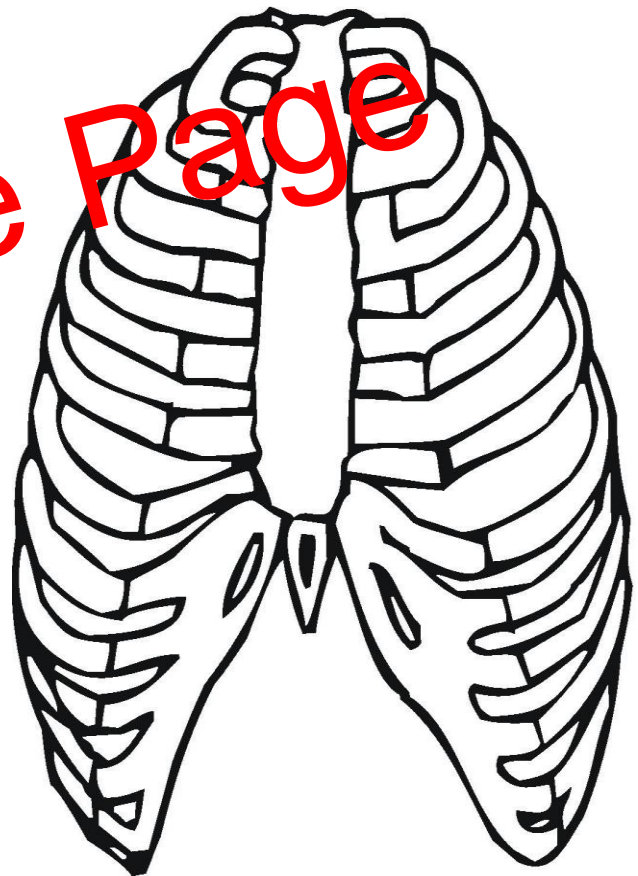
Lesson 2



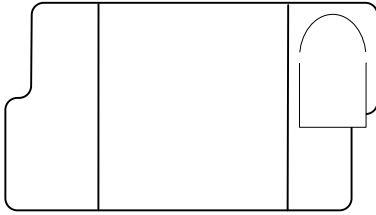
Cut out the booklet. Hotdog fold on the middle line. Glue into lapbook. **Read *Baby Back Ribs and A Peck of Peppers*, page 48.** Using the illustrations on page 48, color in the parts of the rib cage. Draw in and color the floating ribs, the clavicle, and the scapula. Inside of the booklet, make a color coded key.

Ribs

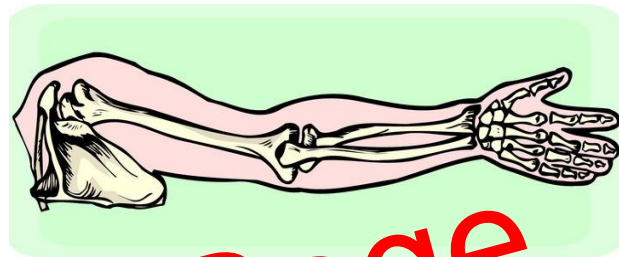
Sample Page



Lesson 2



Cut out booklet as one piece. Cut out the tabs and set aside. Fold on the lines so that with title on top. Glue a tab on each blank section of the booklet. **Read Armed and Dangerous, Girdles Around, and The Last Leg, pages 49-50.** Write the information in your booklet.



Arms and Legs

List the bones in your arm.

List the bones in your hand.

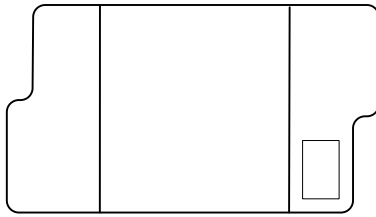
List the bones in your pelvic girdle.

List the bones in your leg.

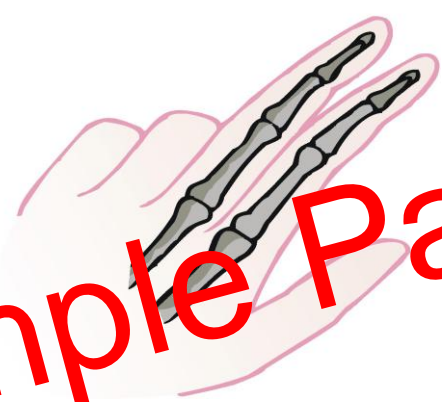
List the bones in your foot.

What is a long bone?

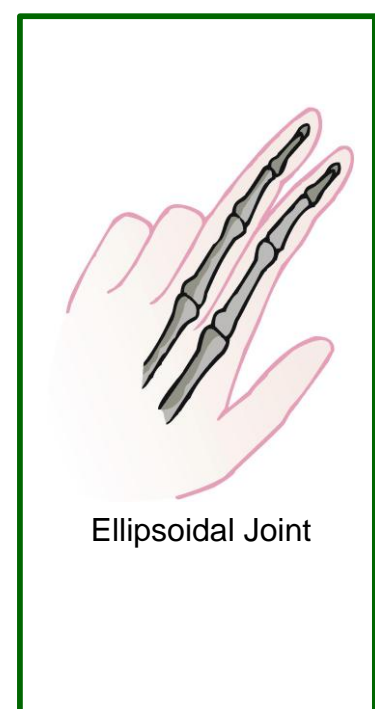
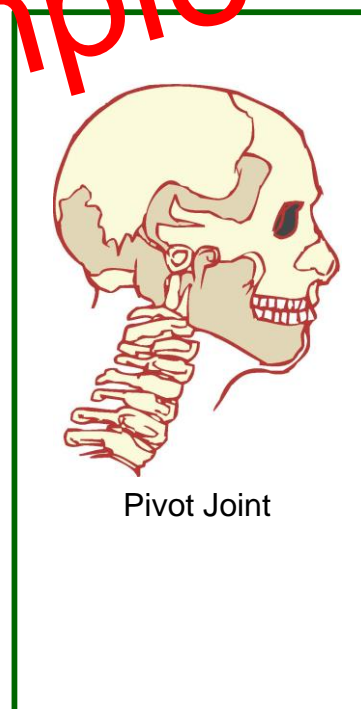
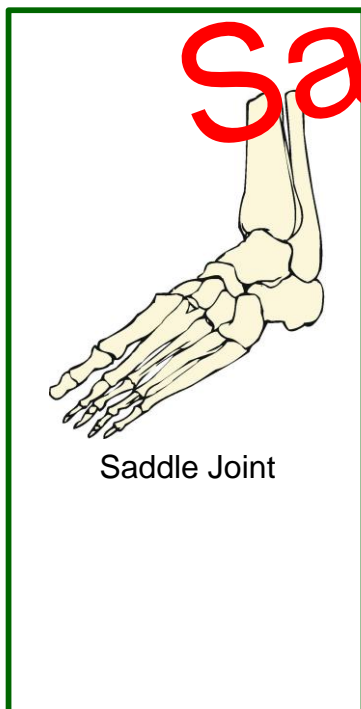
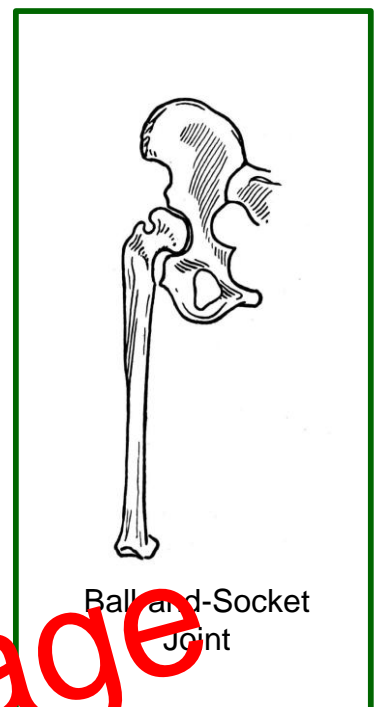
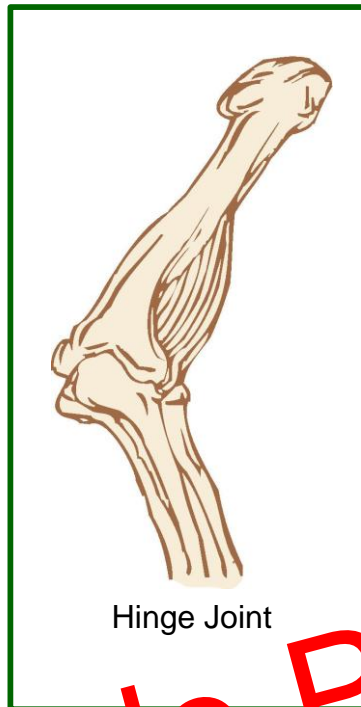
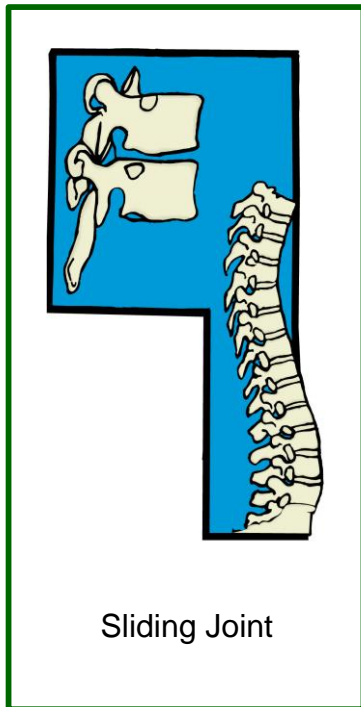
Lesson 2



Cut out the booklet as one shape. **DO NOT CUT OFF FLAPS.** Fold bottom square back, then fold back the two flaps over and glue. This will create a pocket. Glue into lapbook. Cut out cards from the next two pages. **Read Joint Venture and Kinds of Joints, pages 51-52.** Match the type of joint to its correct description. Store cards in pocket when not in use.

Glue flap down	<h2 style="color: green;">Kinds of Joints</h2> 	Glue flap down

Sample Page



Sample Page

This kind of joint is found in the elbows and knees.

This kind of joint is found in the hips and shoulders.

This kind of joint is found in the ankle.

Sample Page

This kind of joint connects your skull to your vertebral column.

This kind of joint is found in the vertebrae. They allow you to bend and twist your back.

This kind of joint connects your phalanges to your metacarpals.

Lesson 2

What do bones do- Provide support, protect organs, make blood cells, store lipids and minerals, and allow movement. Pages 37-40

Bone Anatomy-Answers will vary. Pages 41-42

Bones Shapes- Long, Short, Flat, and Sesamoid. Page 45

Shivers Down Your Spine- Cervical, Thoracic, Lumbar, Sacrum and Coccyx. Page 47

Arms and Legs-

List the bones in your arm-humerus, radius, and ulna. Page 49

List the bones in your hand-phalanges, metacarpals, and carpals. Page 49

List the bones in your pelvic girdle-coxa, sacrum, and coccyx. Page 49

List the bones in your leg-femur, tibia, and fibula. Page 50

List the bones in your foot-phalanges, metatarsals, tarsals, and calcaneus. Page 50

What is a long bone-It is longer than it is wide. Page 49

Kinds of Joints-

Hinge-Elbow and knees. Page 51

Ball-and-Socket-Hips and shoulders. Page 51

Saddle- Ankle. Page 52

Sliding-Vertebrate. Page 52

Pivot-Where skull is connected to vertebral column. Page 52

Ellipsoidal-Phalanges to metatarsals. Page 52

Sample Page

Enrichment Pages

Book Log- A fun place to keep up with extra reading!

Your child can do extra reading about the subjects and topics covered in the lapbook. As your child reads, write down the date, title, author and type of book it is on the Book Log.

Human Anatomy Book Report - Learn more about the human anatomy!

Let your child choose a body part or system. Find exciting books to read about it. After reading, have your child fill out the information about the book on the Human Anatomy Book Report.

What I Have Learned- Pages for narration

Your child will do one of these for every study guide, or depending on the level of the child, you may select only a few for your child to do. After reading the study guide, your child will narrate (tell orally) what he/she has learned. You will write it down or let the child write it down. There are two versions to choose from: Younger-includes a place to draw a picture. Older-for children who are capable of more writing and narration.

Human Anatomy and Physiology Book Report Form

Title: _____

Author: _____

This book was about: _____

Something I learned that I didn't know before: _____

Sample Page

My drawing of the most interesting body part or system



Narration form for younger children

Today I learned about:

Sample Page

Draw picture of what you learned today

Narration form for older children
Tell what you learned today

Sample Page