

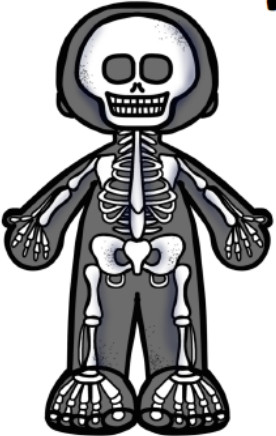
Dear Parents and Students,

Here is a suggested schedule for the students to follow for science for the next two weeks. If you have any questions, please let me know. I can be reached at abernsdorff@thewatsoninstitute-fa.org or by calling/texting me at 412-307-7176. I am available to you from 2-3pm Monday – Thursday. Please do not hesitate to contact me.

Mrs. Bernsdorff


Science LC 2 Skeletal System				
Monday April 27, 2020	Tuesday April 14, 2020	Wednesday April 15, 202	Thursday April 16, 2020	Friday April 17, 2020
Read pages 1-4 of skeleton book that you will create.	Pick a game and video form the list below to watch and play. Video # 1 Game # 1	Read pages 5-8 of skeleton book that you have created	Pick a game and video form the list below to watch and play. Video # 2 Game # 2	Answer questions about what you read in the Clozed paragraph that
Monday April 20, 2020	Tuesday April 21, 2020	Wednesday April 22, 2020	Thursday April 23, 2020	Friday April 24, 2020
Cut out you all the bones together on a surface. Label the bones	Pick a game and video form the list below to watch and play. Video # 3 Game # 3	Complete the word search	Pick a game and video form the list below to watch and play. Video # 4 Game # 4	Glue and all your cut out bones on to a piece of paper and label the bones.

If you Happen to have a smart phone you can play these games and watch these videos




The Skeletal System


Interactive Games




Learn the Skeletal System: ABCya




Whack-a-Bone: Anatomy Arcade



Skeleton Game: Sheppard Software



Skeletal System Matching: Soft Schools




Skeletal Anatomy Game: Real Bodywork


©Jennifer Oglesby, The Rocket Resource 2016

The Skeletal System


Informational Videos




Bones: Kids Health




The Skeletal System: Make Me Genius




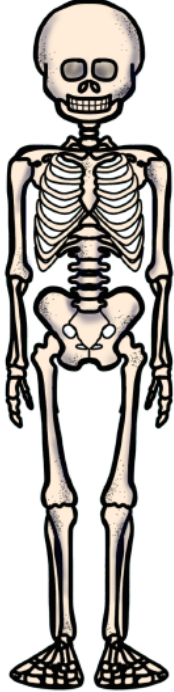
Your Super Skeleton



Human Skeletal System: Alenton Film



Bones & Muscles: Bill Nye

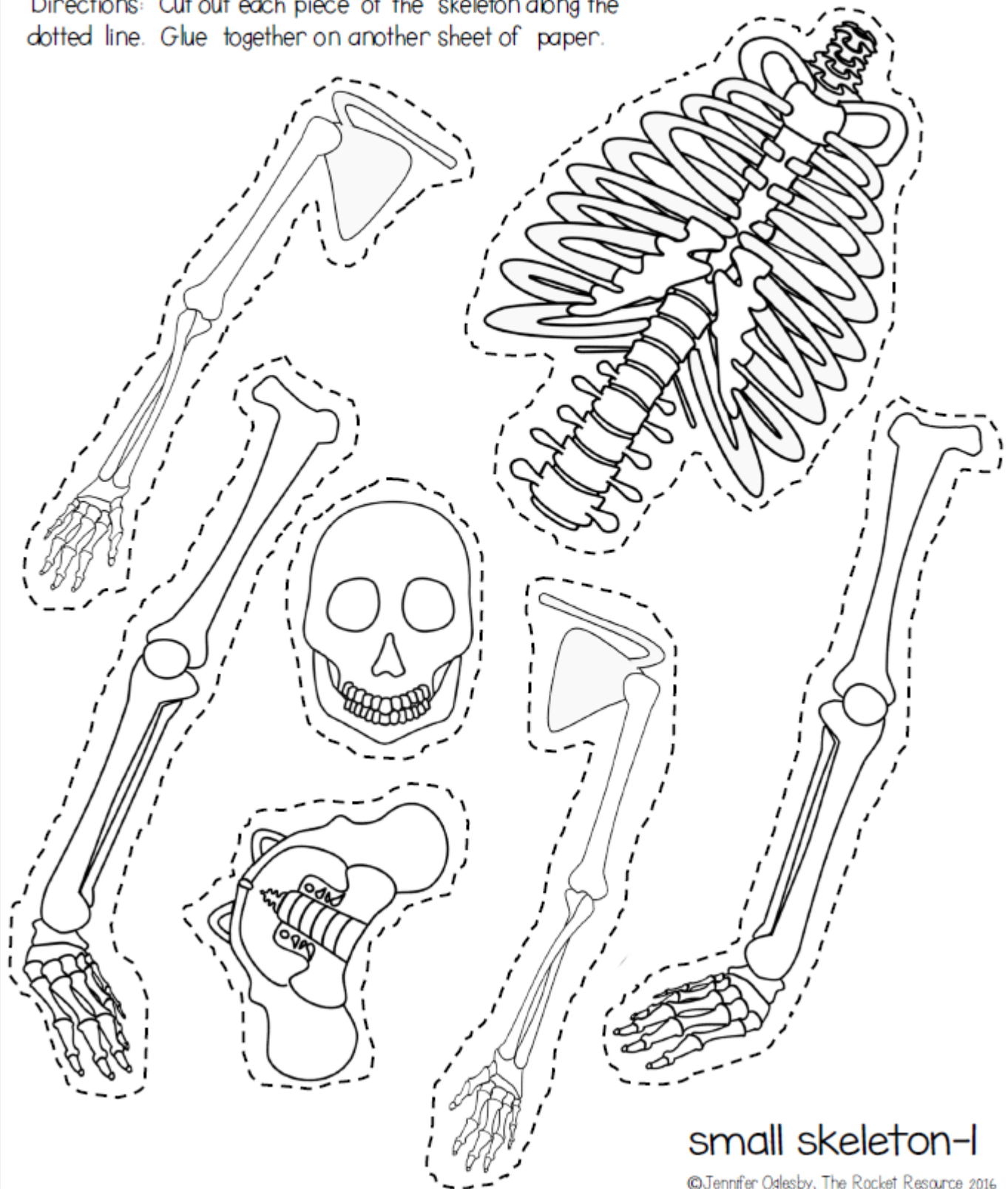


Human Skeleton & Anatomy: Fun Science for Kids

©Jennifer Oglesby, The Rocket Resource

Build a Skeleton

Directions: Cut out each piece of the skeleton along the dotted line. Glue together on another sheet of paper.



small skeleton-1

©Jennifer Oglesby, The Rocket Resource 2016

Build a Skeleton labels

phalanges

ribs

sacrum

sternum

fibula

cranium

patella

tibia

ulna

mandible

femur

ilium

clavicle

radius

humerus

phalanges

Major Bones of the
Human Skeleton

small skeleton-2

- The SKELETAL SYSTEM is made up of your bones, cartilage, and ligaments.
- Some of its jobs are:
 - providing structure for the body
 - enabling movement
 - protecting other organs
 - producing blood cells



- Your bones continue to grow until your mid-twenties.
- Broken bones can repair themselves.
- The smallest bones are found in the ear.
- The longest and strongest bone is the femur (thigh bone).
- The human hand, including the wrist, contains a total of 54 bones.



DID YOU KNOW?

GLUE THIS PAGE
TO YOUR INTERACTIVE
NOTEBOOK

The spine is made up of 33 ring-shaped bones called VERTEBRAE. The spine allows you to twist and bend and it holds your body upright.

The SPINE protects your spinal cord, the large bundle of nerves that sends information from the brain to the rest of the body.



The RIB CAGE protects the heart and lungs from injury.



The SKULL protects the brain from injury.

The skeleton provides protection for other organs in the body.

The outside of a bone is hard, smooth, and solid. The next layer contains a spongy material that makes the bone light and easy for us to move. Inside this layer is where you will find bone marrow.

MARROW is a soft, jelly-like substance found in the center of many bones. Marrow produces **red blood cells**, which carry oxygen throughout the body, and **white blood cells**, which help to fight infections.



RED BLOOD CELL



WHITE BLOOD CELL



CARTILAGE (a spongy tissue at the ends of many bones) prevents the bones from wearing away as they rub together.

Joints in your knees and elbows bend like door hinges, while joints in your shoulders and hips allow you to swing your arms and legs around. The joints between the bones in your skull do not move at all.



The skeletal system works with your muscular system to move the body. Muscles attached to bones work in pairs to move **JOINTS**, where bones come together.

Your **SKELETON** is a framework of bones which provides a **support structure** for your body and gives your body its shape. Without it, you would be a shapeless blob on the ground!

Your bones are held together by bands of connective tissue called **LIGAMENTS**.

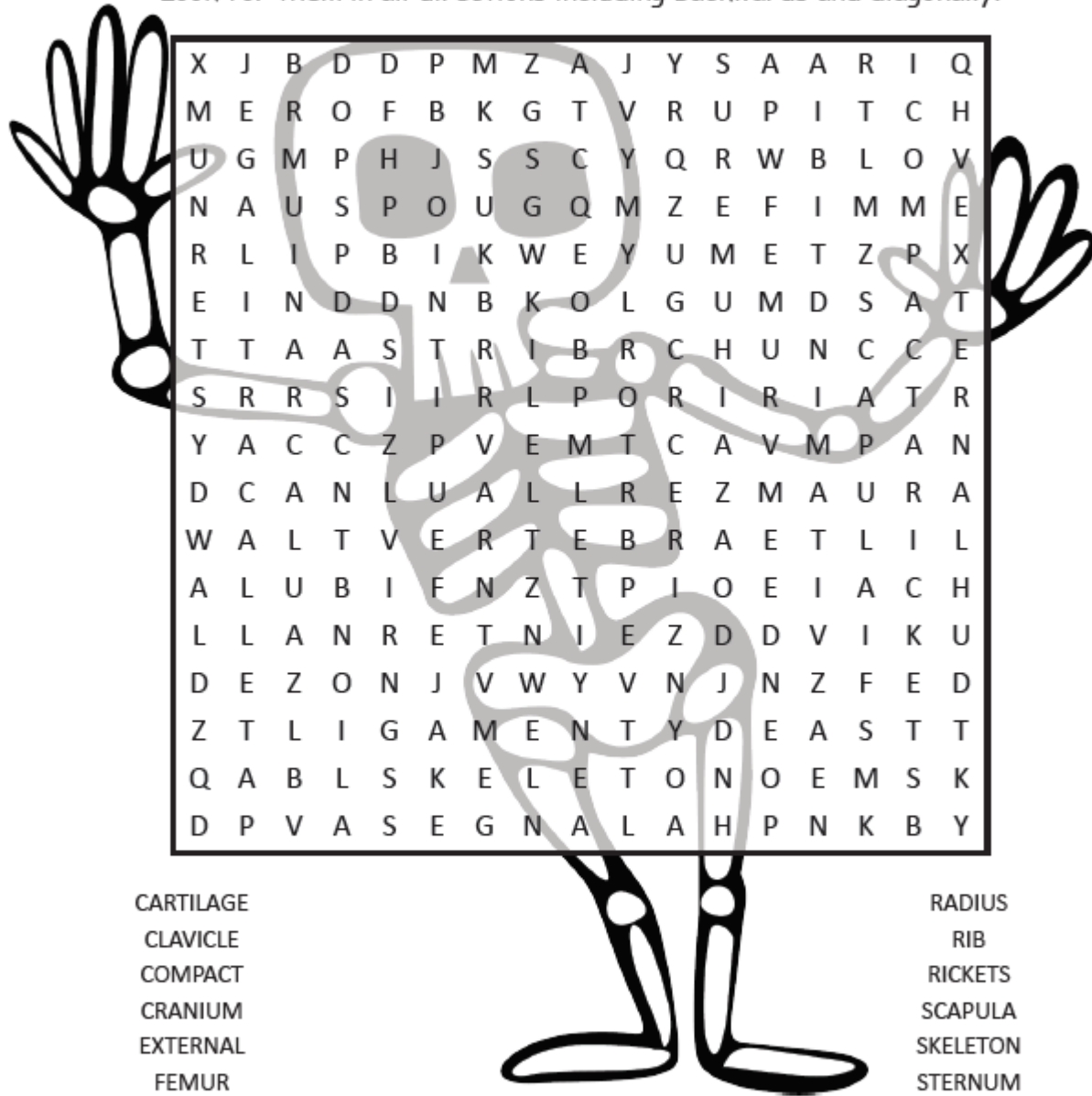
Babies are born with about 300 bones, but many of these eventually fuse together to form the 206 bones found in an adult's body.



Name: _____ Date: _____

Skeletal System

DIRECTIONS: Find and circle the vocabulary words in the grid.
Look for them in all directions including backwards and diagonally.



CARTILAGE
CLAVICLE
COMPACT
CRANIUM
EXTERNAL
FEMUR
FIBULA
HUMERUS
INTERNAL
JOINT
LIGAMENT

MANDIBLE
MARROW
PATELLA
PELVIS
PHALANGES

RADIUS
RIB
RICKETS
SCAPULA
SKELETON
STERNUM
TENDON
TIBIA
ULNA
VERTEBRAE
VITAMIN D

Name: _____ Skeletal System Cloze

Our skeleton supports and _____ our bodies. It also serves as armor to protect delicate internal organs _____ of you. Bones are _____ and always _____. They contain bone marrow that makes our _____ cells. Red blood cells carry _____ all over your body and fight off germs to keep you _____. Bone is made out mostly of _____ and calcium. Calcium is a mineral that adds _____ and hardens your bones. This combination of calcium and collagen gives bone its incredible strength and _____. Bones can also store _____ and other minerals for times when you need it. The areas where our bones meet are called _____. Aside from smooth _____, joints also have other functions. They allow you to _____. Your joints and your bones work as a team or unit to _____ your body and prevent you from being unstable on your _____. Bones are held in place at the joints by muscles and tissues called _____. Bones need a lot of calcium and _____ to keep them strong and healthy. As your bones grow longer and taller, your body needs _____ calcium. This is why it is so important to drink _____ and eat foods rich in calcium daily.

Word Bank:

flexibility	joints	grow	inside
more	milk	blood	feet
healthy	strength	ligaments	collagen
protects	movement	calcium	alive
Oxygen	support	Vitamin D	changing

