

Grade 6 Science

Distance Learning Module 10: Week of: June 8<sup>th</sup> – June 12<sup>th</sup>

## Grade 6 Science      *Modified from Unit 3 Human Body Movement*

**Targeted Goals:** Structure & Function of the Human Body and Synthesizing Structure & Function of the Human Body

**Content Knowledge:** Muscle types and groups and bone types and scientific names, tendon, ligament, joint names, muscle types and groups

**Vocabulary:** voluntary & involuntary muscle  
cardiac, skeletal, smooth muscle groups

**Skills:** Analysis and Reflection  
Synthesizing content  
Applying new information to a novel application  
Problem-solving

**Expectation:** Students will be able to delineate between involuntary muscles and voluntary muscles as well as compare/contrast cardiac, skeletal and smooth muscle groups. Students will be able to build/rebuild a prosthetic hand that mimics the appropriate structure and function of a real human hand. Additionally, students will be able to reflect upon their build by comparing and contrasting their hand to a real hand.

<b>Description of Task (s):</b>	<b>Resources and Materials:</b>	<b>Daily Checks (Return to Google Classroom or snapshots from a cell phone)</b>
Monday: Watch "It's Alive" Video  Answer Reflection Questions  Watch videos to inspire you as you approach your final build.  Modify or Rebuild your hand to reflect content learned	It's Alive -Frankenstein (youtube link)  Kid Engineer-3D Printed Hand  How 3-D printed arms are changing kids' lives around the world	It's Alive reflection Questions Google form  Plan for Final Build Google Form  The Final Build reflection will be due on Friday.
Tuesday:	Intro to Muscles Video	Muscles Check on Learning Google form

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Watch 2 videos  Complete check on learning	Muscles Move Bones Video	
Wednesday:  Review muscle group notes/diagram/poster and fill in Muscle Diagram	Muscle Groups  Labeled Colored Muscle Diagram  Cool Muscle "Poster"	Muscles id game <a href="https://www.purposegames.com/game/431">https://www.purposegames.com/game/431</a>  Enter your score from the game on the Muscles Quiz Score Google form.
Thursday:  Complete the Muscle Fatigue Lab activities and reflection sheet	Muscle Fatigue Lab Directions and Reflection	Muscle Fatigue Lab Google Form
Friday:  Complete PBA Final Build Reflection	Build-A-Hand PBA	Final Build Written Reflection Your teacher will share a doc with you via Classroom Assignments (in Google Classroom). Be sure to "Turn It In" after you finish.  Hand Build Rubric google form  Students submit picture or video on Google Classroom

**Week criteria for success:**

- It's Alive reflection Questions
- Muscles Check on Learning
- Muscles Quiz Score
- Muscle Fatigue Lab
- Plan for Final Build
- Final hand build image submitted to Google Classroom (photo)

- Final Build Reflection
- Hand Build Rubric

**Supportive resources and tutorials for the week** (plans for re-teaching):

Muscle Groups

Muscle video

How 3D printers are changing these kids' lives

The Borgen Project