

Grade 6

Distance Learning Module 7: Week of: May 18<sup>th</sup> – May 22<sup>nd</sup>

## Grade 6 Science      *Modified from [Unit 3 Human Body Movement](#)*

### Targeted Goals:

Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function. Within cells, special structures are responsible for particular functions, and the cell membrane forms the boundary that controls what enters and leaves the cell.

**Content Knowledge:** Cells have organelles and other structures that help them survive, grow, and meet their needs.

**Vocabulary:** organelle, nucleus, chromosome, cell wall, cell membrane, mitochondria, vacuole, chloroplast, DNA, cytoplasm, unicellular, multicellular

**Skills:** Develop and use a model to describe the function of a cell as a whole and ways the parts of cells contribute to the function.

**Expectation:** Identify and determine the roles of organelles in a cell and create an analogy based environment that aligns with each organelle's job.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Learn about the different organelles in the cell and their functions. Watch the videos and define the various organelles.	Cell Organelle Vocabulary Cell Organelle Rap Cell Video Harvard Mosa Mack Cell Video	Mosa Mack Cell Detective Google Form Complete while watching video
Tuesday: Practice the jobs of the various organelles online.  Review the jobs of the organelles in the cell and read about the "Cell Environment	Organelle Game  Cell Online Games <i>[if the above game doesn't work on your computer]</i> There are 9 online games at Legends of	Enter your score on Organelle Game Score Google form.  Cell Organelle Google Form

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Project.”	<p>Learning that are FANTASTIC!!! Spend your science class time today playing these games/interactives. HAVE FUN LEARNING!! Then complete a short check on learning on this Cell Organelle Google Form.</p> <p>Cell Environment Project</p>	
<p>Wednesday: * <i>Two-day project due on Thursday*</i></p> <p>Begin planning and working on your Cell Environment Project. Pick your environment and start deciding what item will correlate with each organelle.</p> <p>Decide on the medium that you will use to share your learning. You can create a poster that can be photographed and submitted, create google slides for each organelle (example)</p> <p>Example: School “Cell” Cell wall (outer building walls), cell membrane (inner sheetrock walls), cytoplasm (air), nucleus (principal), vacuoles (storage closets, lockers, water fountains, cafeteria), mitochondria (furnace, PE class, students), chloroplasts (window, skylights), DNA/Chromosomes (Rule book, Code of Conduct)</p>		<p>Cell Environment Substantiation Your teacher will share a doc with you via Classroom Assignments (in Google Classroom). Be sure to “Turn It In” on Friday.</p> <p>If you do google slides, please include your substantiations on your slides. If you create a poster/drawing, please submit this google doc along with a picture of your poster. Be sure the picture is clear enough for us to read, submit multiple if it works better.</p>
Thursday: Complete work on Cell Environment Project.	<b>Cell Environment</b> Expectations	Your Cell Environment Project is due today. Submit Google doc and picture if you drew, submit slides if you created them.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
		<b>***In either case, you MUST submit the Virtual Learning Cell Environment Substantiation form to receive full credit for the project.</b>
Friday:  Watch the Ted Talk  Read the Hand Build Overview	Watch Ted Talk: "A Prosthetic Arm that Feels"  Initial Hand Build: Overview	Submit any questions you have to your teacher via this Shared Google Doc. All students in your class will add to this form and we can learn from one another's questions.  Bickelhaupt Doc  Dielman Doc  Kahrmanis Doc  Rao Doc  Thomas Doc

**Week criteria for success** (attach student checklists or rubrics):

Complete:

- ☐ Mosa Mack Cell Detective
- ☐ Certificate from Organelle game
- ☐ Cell Environment Project and Substantiation

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

The parts of a cell

example of the cell environment project

Organelle sketchnotes