7.3.2 e2 Organelles Meet Needs Narrative

Time: 60 minutes	**Anchor Phenomenon:** A single cell can be a living organism.
Big Idea: Cells are systems that complete the functions necessary for life	
CCCs Structure and function	**Practices** **Developing and using models**

EPISODE SNAPSHOT: Students revisit the functions of life and determine which parts of the cell fulfill these needs.

GATHERING*:*

Remind the students that all cells need certain things to stay alive. Show the pictures of plant and animal cells. The students will make observations about similarities and differences they see in the cells in a class discussion.

REASONING*:*

Students use the graphic organizer and given websites to research the functions of the following organelles: nucleus, chloroplasts, mitochondria, cell membrane, cell wall.

COMMUNICATING*:*

On the back of the graphic organizer, students will draw and label models of both a plant cell and an animal cell

Assessment: Graphic organizer will be used to determine understanding.	**Materials, resources, handouts, etc:** 7.3.2 e2 Organelles Meet Needs graphic organizer Research web sites: http://www.biology4kids.com/files/cell_main.html https://www.nationalgeographic.org/interactive/cell-explorers/ http://www.harcourtschool.com/activity/science_up_close/510/deploy/interface.swf http://www.biologyjunction.com/cell_functions.htm