

# Science Learning Progression

Cells and Heredity

Grade: 7

**Prerequisite skill:**

4-5 LS1 Plants and animals have different structures that work together to respond to their environment.

Identify and use microscope components.

I can identify and use the parts of a microscope to observe a slide.

**Formative Assessment/s:**

- Teacher interview
- Quick write
- Whiteboard review

Create and observe a wet mount slide.

I can make a wet mount slide and observe the slide with a microscope.

**Formative Assessment/s:**

- Teacher developed slide observation cloze sentences
- Students' observation diagrams

Describe the cell composition of plants.

2 sessions

I can create an

- Accurate,
- Big,
- Colorful,
- Detailed

diagram of a plant cell.

I can describe my observations of

- Movement
- Patterns
- Shapes
- Details

**Formative Assessment/s:**

- Student created rubric for diagramming
- Student created word bank of descriptors

Describe the cell composition of animals.

2 sessions

I can create an

- Accurate,
- Big,
- Colorful,
- Detailed

diagram of an animal cell.

I can describe my observations of

- Movement
- Patterns
- Shapes
- Details

**Formative Assessment/s:**

- Student notebook entry
  - Diagram
  - Description
- Additions to word bank (different color than previous entries)

**All organisms are composed of cells.**  
6-8 LS1A<sub>a</sub>

Later big ideas that build on this big idea include:

6-8 LS1A<sub>b</sub> Cells contain the mechanisms for life functions.



**Northwest Educational Service District 189**

*Together We Can*

Math & Science Collaborative Inquiry Project