



Instructional materials (text; kit) PH Cells and Heredity Grade level 7

Lesson Learning Target: Draw and describe a plant cell as observed through a microscope.	• · · · · · · · · · · · · · · · · · · ·	ns: e static; cells are not composed of smaller parts; cells not a boundary; huge plant =huge cell; mass of cells is
<ul> <li>Success criteria:</li> <li>I can clearly focus a microscope using L-M-H objective</li> <li>I can create an Accurate, Big, Colorful, Detailed diagram of a plant cell</li> <li>I can describe my observations</li> </ul>	Vocabulary:  Microscope par  Total magnificate Chloroplast Cell wall	,
Elicitation Activity*:  Prep a wet mount slide of elodea.		Talk Structures/Discourse Strategies: Students work in pairs Discourse: Student to student
Target introduction/lesson Activities:		
1. Materials list and lab expectations		1-3. Whole class Discourse: Teacher to class; Student to class
2. Revisit rubric, word wall, ABCDs of diagramming		
3. View video clip of elodea wet mount slide		4-6. Students work in pairs
4. Microscope: start on L-M-H (adult check for understanding on low)	*	Discourse: Student to student; Graphic; Written
5. Diagram		
<ol> <li>Complete observation (Scaffold with rubric, ABCDs, and prompts for movement, patterns, shapes, details)</li> </ol>	or observation:	

## Do the Science



Embedded Formative Assessment/s:
Adult initial for microscope on low objective ABCD diagram of cell Description of cell
Adjustment Trigger What level of student performance will necessitate an instructional adjustment?
Not able to focus microscope
Diagram is too small, or lacks detail, or is not accurate
Not using words from word wall in description
Instructional Adjustment (if needed):
Quick directive reminders:
Microscope: How to focus
Diagram: Refer to rubric, ABCDs, and exemplars
Description: Refer to word bank
Reflection:*
I used to think Now I think I still wonder

\* Opportunity for formative assessment