J-KIT STEM

Plant Cell Biology

Scientific Concept:	Biology
Recommended Ages:	8 to 12
Scientific Practice:	Observation, Analysis

What to know about this kit:

Use this 4D model to learn about the parts of a plant cell. Included is an assembly guide to help you build the model, as well as information and questions to help you build your knowledge.

Scientific Method

Ask questions, test the answers, do it again.
That's the process scientists use when they tackle a problem.

Observations lead to a question. Possible answers are called **hypotheses.** You can test these in many ways such as with an experiment, a mathematical analysis, creating a model, and more observation.

Next the scientists **analyze** their results to come to a **conclusion** that supports or rejects their hypothesis.

Sometimes this process leads to new observations which lead to new questions.

Experiments need to be repeatable by other teams to see if they get the same results. A hypothesis that repeatedly is validated (found to be true in testing) can become a scientific theory.
Scientists are always observing, questioning, and repeating experiments to keep learning!

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Kit Contents & Replacement Costs

Item Type	Description	Cost
Object	4D Science Plant Cell Model (26 pieces)	$26
Book	*Plant Cells*	$12
Book	*The Cell Cycle*	$15
Packaging & Processing Fee:		$25
Total Kit Replacement Cost:		$78

Please verify all parts are present before returning.