

Science 6



Scientific Skills

Science 6 Curriculum

Power Objective

P.O. #7: Solve problems and investigate concepts using appropriate scientific processes and safety techniques. (P.O. #7 Proficiency Rubric)

Academic Vocabulary

<input type="checkbox"/> observing	<input type="checkbox"/> record and analyze data	<input type="checkbox"/> pipette
<input type="checkbox"/> comparing	<input type="checkbox"/> draw conclusions	<input type="checkbox"/> kilo
<input type="checkbox"/> contrasting	<input type="checkbox"/> test again	<input type="checkbox"/> hector
<input type="checkbox"/> classifying	<input type="checkbox"/> mass	<input type="checkbox"/> decka
<input type="checkbox"/> modeling	<input type="checkbox"/> Volume	<input type="checkbox"/> units
<input type="checkbox"/> measuring	<input type="checkbox"/> temperature	<input type="checkbox"/> deci
<input type="checkbox"/> analyzing data	<input type="checkbox"/> density	<input type="checkbox"/> centi
<input type="checkbox"/> communicating results	<input type="checkbox"/> water displacement	<input type="checkbox"/> milli
<input type="checkbox"/> making predictions	<input type="checkbox"/> triple beam balance	<input type="checkbox"/> meter
<input type="checkbox"/> identify the question	<input type="checkbox"/> ruler	<input type="checkbox"/> liter
<input type="checkbox"/> make predictions	<input type="checkbox"/> graduated cylinder	<input type="checkbox"/> gram
<input type="checkbox"/> design and conduct an experiment	<input type="checkbox"/> beaker	<input type="checkbox"/> metric system
	<input type="checkbox"/> thermometer	<input type="checkbox"/> SI

Enduring Understandings

Students understand that...

- Scientists use certain scientific skills and processes to ask and answer questions.
- Scientists measure physical properties of matter using appropriate lab tools and mathematical systems.
- Scientists follow safety rules when working in the lab.

Essential Questions

- Why do scientists use certain skills, processes, tools, and mathematics systems to solve problems?
- What are the skills, processes, tools, and mathematical systems (SI) scientists use to solve problems?
- Why must scientists follow safety rules in the lab?

