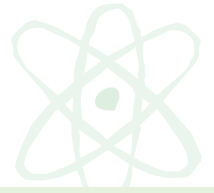




# STEAM & NGSS Skills



## Physical Science



Skills for STEAM and NGSS	Reading						Hands-on Experiments
	Force and Motion	Energy	Light and Sound	Electricity and Magnetism	Matter and Materials	Simple Machines	
<b>Science</b> <ul style="list-style-type: none"> <li>• Demonstrate Understanding</li> <li>• Explain Scientific Causation</li> <li>• Describe</li> <li>• Classify and Organize</li> <li>• Observation</li> </ul>	✓	✓	✓	✓	✓	✓	✓
<b>Technology</b> <ul style="list-style-type: none"> <li>• Application to Own Life</li> <li>• Create and Construct</li> <li>• Recall Information</li> <li>• Integration of Technology and Virtual Learning</li> <li>• Utilize Alternative Research Tools</li> </ul>	✓	✓	✓	✓	✓	✓	✓
<b>Engineering</b> <ul style="list-style-type: none"> <li>• Construct Experiments</li> <li>• Group Work</li> <li>• Distinguish Meanings</li> <li>• Make Inferences</li> <li>• Draw Conclusions</li> </ul>	✓	✓	✓	✓	✓	✓	✓
<b>Arts</b> <ul style="list-style-type: none"> <li>• Project-Based Learning</li> <li>• Design and Application</li> <li>• Match Vocabulary to Definition</li> <li>• Define Vocabulary</li> <li>• Compile Research Information</li> </ul>	✓	✓	✓	✓	✓	✓	✓
<b>Mathematics</b> <ul style="list-style-type: none"> <li>• Utilize Math Concepts in Experiments</li> <li>• List Details/Facts</li> <li>• Sequence</li> <li>• Identify Cause and Effect</li> <li>• Identify Supporting Evidence</li> </ul>	✓	✓	✓	✓	✓	✓	✓

Based on STEAM and Next Generation Science