

**Alignment of Science Olympiad Club Lesson Plans to  
Next Generation Science Standards, Common Core Language Arts,  
and Common Core Mathematics Standards**

Lesson Plan	Next Generation Science Standards	Common Core Language Arts	Common Core Mathematics
A is for Anatomy	Life Science From Molecules to Organisms: Structures and Processes: • MS-LS1-3	Reading: Informational Text: • RI.4.7, RI.6.7 Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, • SL.5.1.B, SL.5.1.C, SL.5.1.D, • SL.6.1.B, SL.6.1.C, SL.6.1.D Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP5
Aerodynamics Aloft	Physical Science Motion and Stability: Forces and Interactions: • MS-PS2-2 Engineering Design: • 3-5-ETS1-3	Reading: Informational Text: • RI.4.7, RI.6.7 Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, • SL.5.1.B, SL.5.1.C, SL.5.1.D, • SL.6.1.B, SL.6.1.C, SL.6.1.D Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP5 • MP6
Bottle Music	Engineering Design: • 3-5-ETS1-3	Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, • SL.5.1.B, SL.5.1.C, SL.5.1.D, • SL.6.1.B, SL.6.1.C, SL.6.1.D Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP6
Calculator Contest	Science and Engineering Practice: • SEP5.6-8.e	Reading: Informational Text: • RI.4.7, RI.6.7 Speaking and Listening: • SL.4.1.C, SL.4.1.D, • SL.5.1.C, SL.5.1.D, • SL.6.1.C, SL.6.1.D Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP5 • MP6 • MP8

For more information about Elementary Science Olympiad  
visit [soinc.org](http://soinc.org) and find the Club Lesson Plans at [store.soinc.org](http://store.soinc.org)

Lesson Plan	Next Generation Science Standards	Common Core Language Arts	Common Core Mathematics
Circuit Wizardry	Physical Science: Energy <ul style="list-style-type: none"> <li>• 4-PS3-2</li> <li>• 4-PS3-4</li> </ul> Science and Engineering Practice: <ul style="list-style-type: none"> <li>• SEP6.3-5.d</li> </ul>	Reading: Informational Text: <ul style="list-style-type: none"> <li>• RI.4.7, RI.6.7</li> </ul> Speaking and Listening: <ul style="list-style-type: none"> <li>• SL.4.1.B, SL.4.1.C, SL.4.1.D,</li> <li>• SL.5.1.B, SL.5.1.C, SL.5.1.D,</li> <li>• SL.6.1.B, SL.6.1.C, SL.6.1.D</li> </ul> Language: <ul style="list-style-type: none"> <li>• L.4.6, L.5.6, L.6.6</li> </ul>	Math Practice: <ul style="list-style-type: none"> <li>• MP6</li> </ul>
Cool It!	Physical Science: Energy <ul style="list-style-type: none"> <li>• MS-PS3-3</li> </ul> Engineering Design: <ul style="list-style-type: none"> <li>• 3-5-ETS1-3</li> </ul>	Speaking and Listening: <ul style="list-style-type: none"> <li>• SL.4.1.B, SL.4.1.C, SL.4.1.D,</li> <li>• SL.5.1.B, SL.5.1.C, SL.5.1.D,</li> <li>• SL.6.1.B, SL.6.1.C, SL.6.1.D</li> </ul> Language: <ul style="list-style-type: none"> <li>• L.4.6, L.5.6, L.6.6</li> </ul>	Math Practice: <ul style="list-style-type: none"> <li>• MP5</li> <li>• MP6</li> </ul>
Gunk	Physical Science: Matter and Its Interactions <ul style="list-style-type: none"> <li>• 5-PS1-4</li> <li>• SEP3.3-5.c</li> </ul>	Speaking and Listening: <ul style="list-style-type: none"> <li>• SL.4.1.B, SL.4.1.C, SL.4.1.D,</li> <li>• SL.5.1.B, SL.5.1.C, SL.5.1.D,</li> <li>• SL.6.1.B, SL.6.1.C, SL.6.1.D</li> </ul> Language: <ul style="list-style-type: none"> <li>• L.4.6, L.5.6, L.6.6</li> </ul>	Math Practice: <ul style="list-style-type: none"> <li>• MP5</li> <li>• MP6</li> </ul>
Metric Mastery	Science and Engineering Practice: <ul style="list-style-type: none"> <li>• SEP5.3-5.c</li> </ul>	Reading: Informational Text: <ul style="list-style-type: none"> <li>• RI.4.7, RI.6.7</li> </ul> Speaking and Listening: <ul style="list-style-type: none"> <li>• SL.4.1.B, SL.4.1.C, SL.4.1.D,</li> <li>• SL.5.1.B, SL.5.1.C, SL.5.1.D,</li> <li>• SL.6.1.B, SL.6.1.C, SL.6.1.D</li> </ul> Language: <ul style="list-style-type: none"> <li>• L.4.6, L.5.6, L.6.6</li> </ul>	Math Practice: <ul style="list-style-type: none"> <li>• MP5</li> <li>• MP6</li> <li>• PM7</li> </ul> Measurement: <ul style="list-style-type: none"> <li>• 4.MD.A.1</li> <li>• 5.MD.A.1</li> </ul>
Monster Match	Science and Engineering Practice: <ul style="list-style-type: none"> <li>• SEP6.3-5.c</li> </ul>	Reading: Informational Text: <ul style="list-style-type: none"> <li>• RI.4.7, RI.6.7</li> </ul> Speaking and Listening: <ul style="list-style-type: none"> <li>• SL.4.1.B, SL.4.1.C, SL.4.1.D,</li> <li>• SL.5.1.B, SL.5.1.C, SL.5.1.D,</li> <li>• SL.6.1.B, SL.6.1.C, SL.6.1.D</li> </ul> Language: <ul style="list-style-type: none"> <li>• L.4.6, L.5.6, L.6.6</li> </ul>	Math Practice: <ul style="list-style-type: none"> <li>• MP7</li> </ul>

<b>Lesson Plan</b>	<b>Next Generation Science Standards</b>	<b>Common Core Language Arts</b>	<b>Common Core Mathematics</b>
Pentathlon	Dependent upon science content	Speaking and Listening: • SL.4.1.C, SL.5.1.C, SL.6.1.C Language: • L.4.6, L.5.6, L.6.6	Dependent upon science content
Pond Study	Life Science: Ecosystems: Interactions, Energy, and Dynamics: • 5-LS2-1 Science and Engineering Practice: • SEP3.3-5.c • SEP6.3-5.a,b,c	Reading: Informational Text: • RI.4.7, RI.6.7 Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, SL.4.4, SL.5.1.B, SL.5.1.C, SL.5.1.D, SL.5.4, SL.6.1.B, SL.6.1.C, SL.6.1.D, SL.6.4 Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP5 • MP6
Rock Hound	Science and Engineering Practice: • SEP3.3-5.c	Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, SL.5.1.B, SL.5.1.C, SL.5.1.D, SL.6.1.B, SL.6.1.C, SL.6.1.D Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP6
Science Bowl	Dependent upon science content	Speaking and Listening: • SL.4.1.C, SL.5.1.C, SL.6.1.C Language: • L.4.6, L.5.6, L.6.6	Dependent upon science content
Straw Tower	Engineering Design: • 3-5-ETS1-3	Reading: Informational Text: • RI.4.7, RI.5.7, RI.6.7 Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, SL.4.4, SL.5.1.B, SL.5.1.C, SL.5.1.D, SL.5.4, SL.6.1.B, SL.6.1.C, SL.6.1.D, SL.6.4 Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP5 • MP6
Write It Do It	Dependent upon science content	Reading: Informational Text: • RI.4.10, RI.5.10, RI.6.10 Speaking and Listening: • SL.4.1.B, SL.4.1.C, SL.4.1.D, SL.4.4, SL.5.1.B, SL.5.1.C, SL.5.1.D, SL.5.4, SL.6.1.B, SL.6.1.C, SL.6.1.D, SL.6.4 Language: • L.4.6, L.5.6, L.6.6	Math Practice: • MP6