

**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 and find the Club Lesson Plans at 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"> • 4-PS3-2 • 4-PS3-4 Science and Engineering Practice: <ul style="list-style-type: none"> • SEP6.3-5.d 	Reading: Informational Text: <ul style="list-style-type: none"> • RI.4.7, RI.6.7 Speaking and Listening: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • L.4.6, L.5.6, L.6.6 	Math Practice: <ul style="list-style-type: none"> • MP6
Cool It!	Physical Science: Energy <ul style="list-style-type: none"> • MS-PS3-3 Engineering Design: <ul style="list-style-type: none"> • 3-5-ETS1-3 	Speaking and Listening: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • L.4.6, L.5.6, L.6.6 	Math Practice: <ul style="list-style-type: none"> • MP5 • MP6
Gunk	Physical Science: Matter and Its Interactions <ul style="list-style-type: none"> • 5-PS1-4 • SEP3.3-5.c 	Speaking and Listening: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • L.4.6, L.5.6, L.6.6 	Math Practice: <ul style="list-style-type: none"> • MP5 • MP6
Metric Mastery	Science and Engineering Practice: <ul style="list-style-type: none"> • SEP5.3-5.c 	Reading: Informational Text: <ul style="list-style-type: none"> • RI.4.7, RI.6.7 Speaking and Listening: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • L.4.6, L.5.6, L.6.6 	Math Practice: <ul style="list-style-type: none"> • MP5 • MP6 • PM7 Measurement: <ul style="list-style-type: none"> • 4.MD.A.1 • 5.MD.A.1
Monster Match	Science and Engineering Practice: <ul style="list-style-type: none"> • SEP6.3-5.c 	Reading: Informational Text: <ul style="list-style-type: none"> • RI.4.7, RI.6.7 Speaking and Listening: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • L.4.6, L.5.6, L.6.6 	Math Practice: <ul style="list-style-type: none"> • MP7

Lesson Plan	Next Generation Science Standards	Common Core Language Arts	Common Core Mathematics
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