

How to Use MY SO Lesson Plans for Summer Programming

The MY SO Lesson Plans are an excellent way to build a strong knowledge base for Science Olympiad Events and event categories that show up year after year. Below, we provide a sample plan for utilizing the May 2021 MY SO Engineering Lesson Plan. All lesson plans and accompanying materials can be downloaded for FREE off our MY SO webpage: <https://www.soinc.org/myso>.

Need more help understanding the different events and event types? Consider purchasing the [Science Olympiad Coaching Program](#) in our store. It provides an overview of the program and 26 weeks of lesson plans and activities to prepare participants for success.

MY SO Lesson Plan	Corresponding Science Olympiad Events in Divisions B and C (varies by season)	Event Type
Epidemiology – September 2020	Disease Detectives	Knowledge Event
Space – October 2020	Astronomy; Solar System	Knowledge Event
Circuits – November 2020	Detector Building; Remote Sensing; WiFi Lab	Hybrid Event (Knowledge and Build)
Weather – December 2020	Dynamic Planet; Meteorology	Knowledge Event
Anatomy & Physiology – January 2021	Anatomy & Physiology	Knowledge Event
Structures – February 2021	Bridge	Build Event
Forensics – March 2021	Crime Busters; Forensics	Lab Event
Plants – April 2021	Agricultural Science; Botany (trial events)	Lab and Knowledge Events
Engineering – May 2021	<i>All Build Events</i>	Build Event
Epidemiology – September 2021	Disease Detectives	Knowledge Event
Flight – October 2021	Electric Wright Stuff; Wright Stuff	Build Event
Astronomy – November 2021	Astronomy; Solar System	Knowledge Event
Rocks & Minerals – December 2021	Rocks & Minerals	Knowledge Event
Anatomy & Physiology – January 2022	Anatomy & Physiology	Knowledge Event
Forensics – February 2022	Crime Busters; Forensics	Lab Event
Solar Power – March 2022	Green Generation; Solar Power (trial event)	Knowledge Event; Hybrid Event (Knowledge and Build)
Green Generation – April 2022	Green Generation	Knowledge Event
Robots – May 2022	Robot Tour (trial event)	Build Event

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Sample Plan for **Preparing for Build Events**

Instructor preparation:

- Download and read the **May 2021 MY SO Engineering lesson plan** and support materials, found here: <https://www.soinc.org/myso>.
- Gather supplies needed for activities.
- Students should have access to computers and the internet.

Day 1	Day 2	Day 3
<p>Kick-off activity: Straw Tower Challenge (rules found on the Elementary Science Olympiad page)</p> <p>-Research and watch videos/read articles on the Engineering Design Process.</p> <p>-Complete the first activity in the May 2021 MY SO Engineering Lesson Plan: “Is it an Engineering Problem?”</p> <p>-Collect materials needed for the DiscoverE activity, “Building a Sorting Machine,” detailed in the May 2021 MY SO Engineering Lesson Plan (may need to gather items from home or a local “big box” store)</p>	<p>Kick-off activity: Research and watch videos that demonstrate sorting machines in real-world manufacturing situations. Discuss uses for sorting machines.</p> <p>-Download and read the instructions for the “Building a Sorting Machine”</p> <p>-Build your sorting machines in small groups, and then gather to discuss different designs and group decisions.</p> <p>-Download the slideshow in the MY SO lesson plan. Split it up into small groups and share or review as a group. Discuss portions that will help with Build Events for the season.</p>	<p>Kick-off activity: Research and share information about different types of engineering careers.</p> <p>-Students choose an activity or resource from the “Elaborate” section of the MY SO lesson plan (p.13) and spend time creating something they can present to others in the group.</p> <p>-Take the MY SO Engineering test and check your answers. Discuss what questions you still have.</p> <p>-End the day with a reflection on what was learned and future areas of exploration.</p>