



SCIENCE OLYMPIAD SUMMER INSTITUTE
HILTON CONFERENCE CENTER at TAPATIO CLIFFS
PHOENIX, AZ - JULY 11 – 15, 2022
AGENDA

Only Registered Participants with Name Tags are allowed in any room.

The B & B/C sessions are in the 1st floor Salons ABE; C sessions only 1st floor Salon G; Device Building Salon F

Notes: Text in bold represents new events or activities; B sessions are listed 1st; B&C are centered; C sessions are listed 2nd

MONDAY, JULY 11

3:00PM – 5:30 PM	REGISTER	Registration Hilton Conference Center Lobby
5:45 PM – 7:00 PM	DINNER	Dinner - Salon I/J
7:00 PM – 8:00 PM	WELCOME	Welcome & Overview
8:00 PM – 9:30 PM	CHOICE	Supports for Science Olympiad Coaching

TUESDAY, JULY 12

7:00 AM – 8:00 AM	BREAKFAST	Breakfast - East Courtyard or Salon I/J
8:00 AM – 9:00 AM	EVENT	Rocks & Minerals
9:05 AM - 10:05 AM	EVENTS	Wheeled Vehicle/Cell Biology
10:05 AM – 11:00 AM	CHOICE	Break/Building Room/Deep Dive Sessions #1
11:00 AM – 12:00 PM	EVENTS	Disease Detectives
12:00 PM – 1:00 PM	LUNCH	Lunch - Salon I/J
1:00 PM – 2:00 PM	EVENT	Bridge
2:05 PM – 3:05 PM	EVENTS	Meteorology/Detector Building
3:05 PM – 3:55 PM	CHOICE	Break/Building Room/Networking Time
3:55 PM – 4:55 PM	EVENTS	Can't Judge a Powder/It's About Time
5:00 PM – 6:00 PM	EVENTS	Crime Busters/Remote Sensing
6:00 PM – 7:00 PM	DINNER	Dinner - Salon I/J
7:00 PM – 8:00 PM	EVENTS	Wright Stuff
8:00 PM – 9:30 PM	CHOICE	Break/Building Room/Deep Dive Sessions #2

WEDNESDAY, JULY 13

7:00 AM – 8:00 AM	BREAKFAST	Breakfast - East Courtyard
8:00 AM – 9:00 AM	EVENT	Forestry
9:05 AM – 10:05 AM	EVENTS	Solar System/ Scrambler
10:05 AM – 11:00 AM	CHOICE	Break/Building Room/Deep Dive Sessions #3
11:00 AM – 12:00 PM	EVENTS	Bio Process Lab/WiFi Lab
12:00 PM – 1:00 PM	LUNCH	Lunch - Salon I/J
1:00 PM – 2:00 PM	EVENT	Codebusters
2:05 PM – 3:05 PM	EVENTS	Sounds of Music/Environmental Chemistry
3:05 PM – 3:55 PM	CHOICE	Break/Building Room/Networking Time
3:55 PM – 4:55 PM	EVENTS	Crave the Wave/Forensics
5:00 PM – 6:00 PM	EVENTS	Roller Coaster/Chem Lab
6:00 PM – 7:00 PM	DINNER	Dinner - Salon I/J
7:00 PM – 8:00 PM	EVENT	Write It Do It
8:00 PM – 9:30 PM	CHOICE	Break/Building Room/Deep Dive Sessions #4

THURSDAY, JULY 14

7:00 AM – 8:00 AM	BREAKFAST	Breakfast - East Courtyard
8:00 AM – 9:00 AM	EVENT	Anatomy & Physiology
9:05 AM – 10:05 AM	EVENT	Experimental Design
10:05 AM – 11:00 AM	CHOICE	Break/Building Room/Deep Dive Sessions #5
11:00 AM – 12:00 PM	EVENTS	Fast Facts/Trajectory
12:00 PM – 1:00 PM	LUNCH	Lunch - Salon I/J
1:00 PM – 2:00 PM	EVENTS	Green Generation
2:05 PM – 3:05 PM	EVENTS	Storm the Castle/Astronomy
3:05 PM – 3:55 PM	CHOICE	Break/Building Room/Networking Time
3:55 PM – 4:55 PM	EVENTS	Road Scholar/ Fermi Question
5:00 PM – 6:00 PM	EVENT	Dynamic Planet
6:00 PM – 7:00 PM	DINNER	Dinner - Salon I/J
7:00 PM – 9:30 PM	CHOICE	Mini-Olympiad – Salon ABE

FRIDAY, JULY 15

7:00 AM – 8:00 AM	BREAKFAST	Breakfast - East Courtyard
8:00 AM – 8:30 AM	EVENT	Group Photo - West Courtyard
8:30 AM – 9:00 AM	EVENT	Wrap-Up/Awards
9:05 AM – 11:00 AM	EVENT	Rules Discussion

Have a safe trip home and a successful 2023 season!



SCIENCE OLYMPIAD SUMMER INSTITUTE
HILTON CONFERENCE CENTER at TAPATIO CLIFFS
PHOENIX, AZ - JULY 11 – 15, 2022
AGENDA

In order to maximize learning, address a number of topics, and meet the needs of a diverse group of experience levels, the Science Olympiad Summer Institute offers a variety of session types throughout the Institute. In an effort to help attendees plan their experience to ensure that they make the most of their time in Phoenix, a brief, general description of each session type is provided:

- **Event Sessions:** By far the most numerous session type offered at Summer Institute, these sessions are meant to provide the attendee with an overview of the event that will be part of the upcoming year's Science Olympiad competition. To achieve that goal the presenters will go over the rules highlighting key points or significant changes as well as explaining essential content and coaching tips. These sessions will provide coaches with resources and activities that they can use to help prepare their teams.
- **Choice Sessions:** Occurring a few times of day throughout the Institute, these sessions are meant to provide the attendee with diverse, educational, and fun options that extend learning beyond just the details of the Science Olympiad events. Descriptions of the activities that attendees will have to choose from are:
 - **Supports for Science Olympiad Coaching:** This year we're going to start off the Institute by highlighting the tools and resources available to support the Science Olympiad coach during the season. This session will feature a discussion of the resources available as well as how and when these resources would be most advantageous to team development and success.
 - **Break:** Every morning and afternoon there will be extended time for attendees if they so choose to take a break from their learning to process the information they have learned, check-in on friends and family back home, or go get that needed coffee, tea, or soda.
 - **Building Room:** Starting on Tuesday morning at 9:15 and running through Thursday dinner, the Summer Institute takes over Salon F to allow attendees, whether individually or as a team, to try out designing and building various devices. Attendees may choose to skip scheduled event sessions and/or meals to work on their construction; however, if you would rather the Building Room will be an option during the Break times schedule each day. This year materials will be provided so that attendees will be able to work on Bridge, Detector Building, Helicopter, WiFi Lab and Wright Stuff.
 - **Deep Dive Sessions:** This year Deep Dive Sessions are going to focus on increasing coaches' knowledge in three particular areas: coaching and teambuilding, new and upcoming events, and techniques and strategies for building successful devices. The Deep Dive Schedule for the week is as follows:
 - **Tuesday, July 12th 10:05 – 11:00 AM**
 - Salon ABE – Coaching: Matching Team Members to Events
 - Salon G – TBD
 - Build Room: Flight Tips & Tricks
 - **Tuesday, July 12th 8:00 – 9:30 PM**
 - Salon ABE – Coaching: Fundraising Strategies to Support your Team
 - Salon G – TBD
 - Build Room: Working with Balsa Wood
 - **Wednesday, July 13th 10:05 – 11:00 AM**
 - Salon ABE – Engaging with CDC's NERD Academy
 - Salon G – Onshape & Write It CAD It
 - Build Room: Vehicles & Braking Systems
 - **Wednesday, July 13th 8:00 – 9:30 PM**
 - Salon ABE – Coaching: Elementary Science Olympiad as a Feeder Program
 - Salon G – New Frontiers – The Impact of the Webb Telescope
 - Build Room: Programming Tips & Tricks

Have a safe trip home and a successful 2023 season!



SCIENCE OLYMPIAD SUMMER INSTITUTE
HILTON CONFERENCE CENTER at TAPATIO CLIFFS
PHOENIX, AZ - JULY 11 – 15, 2022
AGENDA

- **Deep Dive Sessions** (continued)
 - **Thursday, July 14th 10:05 – 11:00 AM**
 - Salon ABE – Navigating Scilympiad & Invitational Tournaments
 - Salon G – Incorporating SkyCiv into your Practices
 - Build Room: TBD
 - **Networking Time:** It is often said that some of the most important learning from Summer Institute happens when you talk to other attendees. To allow for more time for these important conversations to occur there are intentional daily blocks of time where you have time for conversations with other attendees.
 - **Mini-Olympiad:** On Thursday night, attendees will have the opportunity to try their hand at some events from the upcoming season. The events featured this year are:
 - Aerial Scramble
 - Anatomy & Physiology
 - Astronomy
 - Bridge
 - Can't Judge a Powder
 - Codebusters
 - Forestry
 - Helicopter
 - Rocks & Minerals
 - WiFi Lab
 - Wright Stuff
 - Write It CAD It
 - Write It Do It
- Attendees who complete at least 7 of these events will be entered into a raffle for the opportunity to win a variety of prizes.
- **Rules Discussion:** The Summer Institute will close with a session where attendees' questions about the details of an event outlined in the Rules are addressed.

Have a safe trip home and a successful 2023 season!