



NCSO Div B/C 2021 Season Overview

August 26, 2020 Update

Science Olympiad Season Planner 2020-2021



K-12 Open?

Are K-12 Schools open for in-person instruction?

NO



Are Large Gatherings Allowed?

Do public health guidelines allow large gatherings of more than 50 people?

NO



Host Site Approval?

Do you have approval and a date from your host site for a tournament?

NO



Proceed with Workshops and Tournaments

Your state chapter can proceed with workshops and tournaments using state and CDC guidelines for hygiene and physical distancing



Safe Distancing Practices

Use the 2021 Science Olympiad Event Logistics Manual for safe distancing practices



Students and teachers are distance learning
No large gatherings are permitted – No host sites available



OPTION B:
Schools Allow
Extracurricular Activities

State Chapters Can:
Use mini SO, a short-slate remotely-conducted test-based event*

Use MY SO

Use © 2021 SO events as curriculum

3 C's – Award students/teams for Citizenship and Character in the Community

Hold online workshops for teachers

OPTION C:
Schools Do Not Allow
Extracurricular Activities

State Chapters Can:
Use MY SO

Use © 2021 SO events as curriculum

3 C's – Award students/teams for Citizenship and Character in the Community

Hold online workshops for teachers

OPTIONS B + C:
Alternative Bid Process for
National Tournament goes into effect

SATELLITE SO:
School is in session
but no host site is available

Teams record and report results of tests and building events from their school practices at the school building under supervision from school faculty to registered Tournament Directors

Schools will sign safety waiver agreements and abide by an honor code

This new format can be applied for Invitationals in any state; only used at Regional or State Levels if there is no host site available



*Any other non-traditional in-person tournament options will be vetted by the Science Olympiad Innovation Task Force + Executive Board and announced by August 15, 2020



Plan A

- K-12 schools are open for in person instruction
 - Gatherings of more than 250 are allowed
 - Host site is ready, willing, and able to host
-
- ★ Tournaments will be in-person on Saturdays in the spring and will follow the proposed tournament schedule published online. Additional safety measurements will be implemented using current public health recommendations.



Plan B - Satellite SO

- K-12 schools are open, but blended or remote learning is being used by all students.
 - Teams are allowed to gather at the school but cannot travel
 - Host site cannot be secured
-
- ★ Remote tournaments will be run on Saturdays in the spring or over a several day period after school (eg: 2 hours on Tues, Wed, & Thurs of a week). The proposed tournament schedule published online will be used to set up the timing. Schools will sign a safety waiver agreement and abide by an honor code for monitoring tests and recording device results. Virtual awards ceremony will be broadcast and medals & trophies will be mailed to the schools.



Plan C - Mini SO

- K-12 schools are using remote learning for all students.
 - Teams are not allowed to gather at the school.
 - Host site cannot be secured
-
- ★ Mini SO tournaments will be run on Saturdays in the spring or over a several day period (eg: 2 hours on Tues, Wed, & Thurs of a week). The proposed tournament schedule published online will be used to set up the timing.. Students and parents will sign an honor code and participate at home. Only tests will be given, no devices will be tested and lab events will present data to be analyzed, but will not involve actual experiments. Virtual awards ceremony will be broadcast and medals & trophies will be mailed to the schools.



Plans can vary across the state for each regional

- Each tournament must have everyone competing in the same way - if we run a Satellite SO tournament, all teams must be in their schools being supervised (Plan B)
- If we run a Mini SO tournament, every student must be at home competing alone (Plan C)

Mini SO - Modified list of events



2021 mini Science Olympiad Event Slate

Life, Personal & Social Science-5	Earth & Space Science-5	Physical Science & Chemistry-5	Technology & Engineering Design-4	Inquiry & Nature of Science-4
Division B 2021 Events (Approved by the Executive Board April 1, 2020)				
Anatomy & Physiology <i>(Skeletal, Muscular, Integumentary)</i> Disease Detectives Heredity Ornithology Water Quality (Test Only) <i>(Marine & Estuary)</i>	Dynamic Planet <i>(Oceanography)</i> Fossils Meteorology <i>(Severe Storms)</i> Road Scholar Reach for the Stars	<u>Physics</u> Circuit Lab (Test Only) Density Lab (Test Only) Machines (Test Only) <u>Chemistry</u> Food Science (Test Only) Crime Busters (Dry Lab Only)	Boomilever EL Gliders Mission Possible Mousetrap Vehicle	Experimental Design Game On Ping Pong Parachute Write It, Do It
Life, Personal & Social Science-5	Earth & Space Science-4	Physical Science & Chemistry-5	Technology & Engineering Design-4	Inquiry & Nature of Science-4
Division C 2020 Events (Approved by the Executive Board April 1, 2020)				
Anatomy & Physiology <i>(Skeletal, Muscular, Integumentary)</i> Designer Genes Disease Detectives Ornithology Water Quality (Test Only) <i>(Marine & Estuary)</i>	Astronomy Dynamic Planet <i>(Oceanography)</i> Fossils Geologic Mapping	<u>Physics</u> Circuit Lab (Test Only) Machines (Test Only) Sounds of Music (Test Only) <u>Chemistry</u> Chem Lab (Test Only) <i>(Acid/Base Chem. & Aqueous Solutions)</i> Forensics (Dry Lab Only) Protein Modeling (Test Only)	Boomilever Detector Building Gravity Vehicle Wright Stuff	Codebusters Experimental Design Ping Pong Parachute Write It, Do It

All Plans - My SO

- Run by the National Office
- Exposure to National Event Supervisors
- \$10 per test

A 9-month, calendar-based set of supports to keep you engaged in Science Olympiad at home, at school and afterschool.

Each themed month will contain free resources like Lesson Plans for popular Science Olympiad events you can use at home or at school; Science Olympiad STEM Sessions, webinars and interviews with leading experts in the field about careers and workforce; and the option to participate in STEM Showdowns, national-level, online Science Olympiad tests you'll take in real time to gauge your knowledge against your peers, complete with prizes and a national monthly leaderboard. **MY SO** can be used as a standalone or to support any regular Science Olympiad season.

LESSON PLAN
[First day of the month]

STEM SESSION
[15th day of the month]

STEM SHOWDOWN
[Last Thursday of the month]

SEPTEMBER 2020

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

EPIDEMIOLOGY

OCTOBER 2020

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SPACE

NOVEMBER 2020

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

CIRCUITS

DECEMBER 2020

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

WEATHER

JANUARY 2021

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

ANATOMY & PHYSIOLOGY

FEBRUARY 2021

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	28					

STRUCTURES

MARCH 2021

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL 2021

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MAY 2021

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

20-2021 ACADEMIC YEAR



Possible Tournament models - Satellite or Mini SO

#1 - Super Saturday Dates

- Teams sign up for your individual regions for scoring purposes, but we host all the regionals on 3 different Saturdays and teams would compete based on geography
- Virtual awards ceremony with medals & trophies mailed

#2 - Super Weeks

- Same basic model, but teams would take tests after school 3 days in a row based on period



Possible Tournament models - Satellite or Mini SO

#3 - Testing dates based on Periods

- Teams sign up for your individual regions for scoring purposes
- Everyone in the state would take Period 1 events at 9am on Feb 20, period 2 events on March 6, period 3 events March 20 (example)
- Upside: Less people in the building at a time
- Downside: People have to commit to multiple Saturdays instead of 1



State Tournament

April 24, 2021

- Will be Satellite or mini SO depending on what the spring throws at us
- May or may not lead to a National Tournament
 - At this time, ASU is planning to host a National Tournament.



All Plans - Virtual Mentoring

National Science Olympiad is highlighting the 3 C's -

Citizenship & Character in the Community

Our office will work to create an easy solution to having high school & college students mentor elementary & middle school teams through their school's preferred virtual meeting platform.



All Plans - Coaches Corner

At the beginning of the month at least 1 team building activity released that is ready for you to do with your team to build those relationships. Might be trivia, virtual scavenger hunts, timed escape rooms, etc.



Coaches Clinic

- Virtual
- Pre-recorded sessions loaded in to Wolfware - NC State's non-credit class system.
- Sessions can be watched when it is convenient for coaches
- Live Q&A sessions and keynote on Oct 3 for all registered coaches
- Course would remain available all year for coaches to take even if they start late
- 10 hours of sessions watched = 1 CEU
- \$50



How to Start?

Virtual Club time for those of us who can not gather in person. Club time if you are allowed to meet.

Don't stress about diving deep into curriculum yet, there is time once things settle down.

What is important now is giving them something to be part of and work towards.

Use the monthly challenges for everyone to learn new things.

Leave building challenges until you know if your team will be able to compete in them.



Action Plan

- Nationals will release New rule manuals September 8
- Regional director commits to hosting a tournament in a manner/date TBD depending on the many factors currently in the air by mid-November
- Registration opens Sept 1 with known regional names and dates TBD
- Coaches Clinic in October to help folks get started
- Mentors assigned as requested and available
- Social Media challenges throughout the year to keep everyone involved.