

Fulton Science Academy

Academic Teams Policies and Procedures

What are Academic Teams?

Middle School

Academic Teams compete in extracurricular competitions against other schools. They include:

- ❑ Science Olympiad
- ❑ Math Olympiad
- ❑ Model UN
- ❑ Robotics
- ❑ Future City
- ❑ Academic History Bowl
- ❑ Reading Bowl

What you should know:

- ❑ Most middle school and high school students will compete on at least one team
- ❑ Students can participate in a maximum of two teams. **Exception:** Students cannot do both Robotics and Math or Science Olympiad.
- ❑ Remember, a student cannot be on two teams that meet at the same time
- ❑ Students applying for an Academic Team must complete both the appropriate Academic Team application form and the Academic Team Preference Form.

Your behavior matters . . .

- All team members and parents must sign the **Academic Teams Policies & Procedures** .
- All school rules are in effect for all Academic Team activities whether on or off campus.
- Disrespect of teammates, coaches, and/or property will not be tolerated.
- Be considerate of your coaches – we are volunteering to help you!
- You can be removed from the team for poor behavior!

Submitting your team application meant you agree to abide by the **Policies and Procedures, so please read these carefully.**

Remember to:

- ✓ Complete online **Application Form**
- ✓ Complete on line **Academic Teams Preference Form** if you are applying for more than one team
- ✓ Review **Academic Teams Policies and Procedures**
- ✓ **Deadline** for Application is **Wednesday, August 12 at 4 PM**
- ✓ Team rosters are announced **Monday, August 17**
- ✓ If you are selected for a team, you must select that team on your club selection form.

Science Olympiad Team Presentation 2020-2021

Fulton Science Academy

What is Science Olympiad?

- ❑ National program in which students learn science through active, hands-on participation, with an emphasis on problem solving and team building skills.
- ❑ Some events require knowledge of science facts and concepts, while others rely on scientific processes, skills, or applications, so students with varying skills can participate.
- ❑ Not a trivia competition. Students must apply their knowledge.
- ❑ The cooperation, collaboration, team spirit and good sportsmanship that students develop will be beneficial throughout their lives.

What is Science Olympiad during a pandemic?

- ❑ Traditional Tournament at a host site, if conditions allow
- ❑ Satellite Tournament from FSA (may be reduced number of events)
- ❑ Mini SO Tournament from home (test only events, no partners)
- ❑ MY SO – individual competition run by National Science Olympiad

SO Season Planner

Science Olympiad Season Planner 2020-2021



K-12 Open?

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

NO

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

▼ YES

Are Large Gatherings Allowed?

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

NO

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

▼ YES

Host Site Approval?

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

NO

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

▼ YES

Proceed with Workshops and Tournaments

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

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

▼ YES

Safe Distancing Practices

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

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



▼ YES

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

*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

Qualify teams for the 2021 Science Olympiad National Tournament hosted by: Arizona State University

Mini SO 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	Physics Circuit Lab (Test Only) Density Lab (Test Only) Machines (Test Only) Chemistry Food Science (Test Only) Crime Busters (Dry Lab Only)	Boemilever 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	Physics Circuit Lab (Test Only) Machines (Test Only) Sounds of Music (Test Only) Chemistry Chem Lab (Test Only) <i>(Acid/Base Chem. & Aqueous Solutions)</i> Forensics (Dry Lab Only) Protein Modeling (Test Only)	Boemilever Detector-Building Gravity Vehicle Wright Stuff	Codebusters Experimental Design Ping-Pong-Parachute Write-It, Do-It

Event Name – event names listed in normal text can be included as part of a mini Science Olympiad as described in the Rules without any modifications

Test Only – indicates events that can be included as part of a mini Science Olympiad but are limited to the written test portion of the event as described in the Rules only.

Dry Lab Only – indicates events that can be conducted as part of a mini Science Olympiad by providing participants with pre-generated data for lab activities as described in the event Rules that they are then expected to analyze.

Event Name – indicates events that are unsuitable for at home participation due to safety, space/facility, or judging considerations as well as a combination of any or all of those factors.

Division B Event Distribution: Events without Change – 10, Test Only Events – 5, Dry Lab Only Events – 1, Unsuitable Events - 7

Division C Event Distribution: Events without Change – 9, Test Only Events – 6, Dry Lab Only Events – 1, Unsuitable Events - 7

My SO Individual Studies



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						

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			

FORENSICS

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	

PLANTS

MAY 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					

ENGINEERING

*The November and December dates of the STEM Showdowns have been adjusted to avoid holidays on 11/26, 12/24 and 12/31

2020-2021
ACADEMIC YEAR

My SO is an Individual Study and Testing program for students who can't compete in Traditional, Satellite or Mini SO Competitions.

My SO is open to all students across the country and is not dependant on being part of a school team.

As this is a program for individual students, it will not be supported by the Science Olympiad Team with Science Olympiad Coaches, but any FSA student is welcome to participate on their own.

The monthly topics are similar to Science Olympiad Events but do not align completely. Coaches are free to include appropriate curriculum from My SO into their event preparation.

FSA students participating **only** in My SO do so individually and are not part of the FSA Science Olympiad team.

Who?

Science Olympiad is for students who are passionate about science

Why?

Tournaments are fun! They allow students to demonstrate their knowledge as they go head-to-head against students from other schools

Science Olympiad Highlights

- FSA has a long history of success in Science Olympiad
- Qualified and competed in nine National Tournaments (2007, 2009, 2010, 2012, 2015, 2016, 2017, 2018, and 2019)
- Last year's highlights:
 - 1st Place at 2020 Regional Tournament
 - No state or national tournament last year
 - We are still reigning State Champions!

2020-2021 Goal

To place first or second in the State Science Olympiad Tournament in order to qualify for the

National Science Olympiad Tournament

to be held May 21-22 at **Arizona State University** in Tempe, AZ.

Science Olympiad Management Team

▣ Head Coaches –

- **Mrs. Walsh** began coaching in 2007. Her son placed 5th in Fossils at Nationals in 2009 and 2nd in 2010. Her Meteorology team placed 4th at Nationals in 2012.
 - **Mrs. Stathos** began coaching in 2004. Her son placed 5th in Don't Bug Me at Nationals in 2007. Her Write It Do It teams placed first in the National tournament in both 2016 and 2017.
- ▣ Mr. Karp and Mr. Proctor along with Parent and Community Volunteers will serve as event coaches.

Tournament Schedule:

- ❑ Unknown at this time.
- ❑ Usually one tournament a month beginning in October.
- ❑ Tournaments are typically held on Saturdays.

Competition Team

Size:

- ❑ FSA will take 1 to 3 teams to Invitational tournaments.
- ❑ **Three** teams per school can compete in the MS Regional tournament.
- ❑ Only **one** team per school can compete at the State tournament.
- ❑ Middle School Team: 6th through **9th** graders, maximum of 5 ninth graders.
- ❑ High School Team is 8th – 12th grades.
- ❑ **Not everyone will participate at regional, state, or national level!**

Tournament Logistics

- Up to 15 students on a team
- 23 events with 2 to 3 students competing in each event
- A typical tournament has 47 slots to fill for each team
- The “average” student should be capable of competing in 3 to 4 events.
- Events run simultaneously, so event conflicts happen.
- The more events a student carries, the more valuable they are to the team.

Competition Teams will be chosen by looking at:

1. Results from practice tests, invitational and regional tournaments
2. Competition schedule conflicts
3. Attendance at weekly event meetings and Saturday studies
4. Attitude, spirit, leadership
5. Behavior – see Academic Teams Policies and Procedures
6. **Team success takes priority over individual success**

Before You Commit:

- ❑ Dues for Science Olympiad are \$150 per student and do not cover travel and tournament expenses.
- ❑ The time commitment for Science Olympiad is **equivalent to participating in 3-5** afterschool clubs. Each event meets once per week.
- ❑ We recommend that Science Olympiad students not participate in other academic or athletic teams.
- ❑ If you choose to participate in more than one Academic Team (Model UN, Math Olympiad, Tech Fair, Destination Imagination), expect conflicts in competition dates.
- ❑ You cannot do Science Olympiad AND FLL/Robotics.
- ❑ **It is difficult to be in both Science Olympiad and Math Olympiad.**
- ❑ Students must select a **minimum of 4** academic (i.e., not building) events to study.
- ❑ Competitive Olympians should expect to spend **10** or more hours per week working on their events, including weekly event meetings, Saturday studies and independent study time
- ❑ Science Olympiad is a **Team competition**. No event winners move on to the next level of competition unless the whole team qualifies

Keep in mind:

Cramming is not an effective strategy for Science Olympiad!

- ❖ In order to be selected to compete in an event, you must demonstrate some level of mastery.
- ❖ Just attending Science Olympiad classes is not enough to ensure a competition slot.
- ❖ The most successful students are those who:
 - Are not over-committed with other activities
 - Have the time and motivation to study on their own.

What Can I Do for Our Team as a Parent?

Science Olympiad is a team effort. Success is much more difficult without your help!!

OUR TEAM NEEDS HELP IN FOLLOWING AREAS:

- **Event coach parents**
- Competition day volunteers
- Fundraising – Hat Day, Pizza Day, Concession stand at Tech Fair and Math Genius, etc.
- Publicity/Spirit

Who are the Coaches?

- Event coaches are teachers, parents or other adults who volunteer to assist students in understanding the rules and scientific concepts for their respective events.
- Coaches will hold practices weekly either after school and/or on Saturdays.
- Coaches do not have to be scientists or have prior experience with the subject matter.
- Consider sharing coaching responsibilities with another parent volunteer.

2020-21 Events

*Replay of last year

Life, Personal & Social Science-5	Earth & Space Science-5	Physical Science & Chemistry-5	Technology & Engineering Design-4	Inquiry & Nature of Science-4
Division B 2020 Events				
Anatomy & Physiology <i>(Skeletal, Muscular, Integumentary)</i> Disease Detectives Heredity Ornithology Water Quality <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 Density Lab Machines <u>Chemistry</u> Food Science Crime Busters	Boomilever EL Gliders Mission Possible Mousetrap Vehicle	Experimental Design Game On Ping-Pong Parachute Write It, Do It

Life, Personal & Social Science

- Anatomy & Physiology -- *Skeletal, Muscular, and Integumentary systems*
- Disease Detectives - *Epidemiology*
- Heredity/ Designer Genes - *All about genetics*
- Ornithology- *Birds*
- Water Quality - *Ecology of Marine and Estuary environments*

Earth & Space Science

Division B

- ▣ **Dynamic Planet** – *Oceanography*
- ▣ **Fossils**
- ▣ **Meteorology** – *Severe Storms*
- ▣ **Road Scholar** – *Map reading*
- ▣ **Reach for the Stars**

Physical Science & Chemistry

Division B

- Circuit Lab
- Density Lab
- Crime Busters
- Food Science
- Machines

Technology & Engineering

Division B

- ☐ Mousetrap Vehicle
- ☐ Boomilever
- ☐ Elastic Launched Glider
- ☐ Mission Possible

Inquiry & Nature of Science

Division B

- Experimental Design
- Game On
- Ping Pong Parachute
- Write It Do It

What Next?

- ❑ Turn in Science Olympiad application form by **4:00 PM on Wednesday, August 12.**
- ❑ We will meet Tuesdays and Wednesdays during club time until we have coaches and have scheduled classes (expected in early September)
- ❑ Once events are scheduled, classes will meet Monday-Saturday. Some events will be offered during 2nd club period (4:10 to 5:00).
- ❑ Events meeting via Zoom may have evening meetings.
- ❑ Class schedules are based on preference of the coach.

How many events?

- 6th graders must choose 3-4 events, one can be a building event
- 7th to 12th graders 4-6 events, including one or two building events
- To improve your chance of being selected for team membership, fill out your team application carefully and let us know any special interests you have.

Working around other clubs/teams

- ❑ Once our event class schedule is finalized, students will choose their events.
- ❑ If you are participating in another Academic Team, you must arrange your Science Olympiad schedule around your other team. For example, if you are doing Model UN, you cannot select Science Olympiad events that meet on Mondays and Thursdays during club time.
- ❑ If you choose Math Olympiad, do not select events that meet on Saturdays. It's very difficult to manage both Math and Science Olympiad.
- ❑ You **cannot** participate in both Science Olympiad and Robotics!

**For more information check
out:**

National Website:

www.soinc.org

National student run forum and wiki:

www.scioly.org

Any Questions?