



2021

Florida Rules Supplement for Florida Satellite SO Tournaments

Applies to the Southeast Regional Tournament at
Florida Atlantic University

February 27, 2021

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SUPPLEMENTAL RULES GENERAL INFORMATION

Thank you for registering for a 2021 Florida Satellite SO. This virtual tournament is a new adventure in the digital age and will have to follow some adapted guidelines/rules. The goal of this tournament is to provide teams with the ability to compete if they are unable to travel, and/or if they do not have a host site for the 2021 year due to health concerns.

The following are Supplemental Rules / Instructions, which exist in addition to, not instead of, the General Rules put out by the National Science Olympiad and apply only to the Feb 27, 2021 event at FAU. The intention of these supplemental rules is to modify certain elements to fit a virtual format. All aspects of the competition rules or procedure not covered in this supplement shall be guided by the rules as described in the General Rules manual for 2020-2021. Questions regarding these supplemental rules should be directed to Tim Theisen, TTheisen@fau.edu.

TEAM SPIRIT:

Although some events in the Science Olympiad are based on individual achievement, all events encourage teamwork, group planning and cooperation. That is the real essence of the Science Olympiad. Our emphasis is on advanced learning in science through active, hands-on, group participation. Through the Olympiad, students, teachers, coaches, principals, business leaders, and parents are all bonded together as a team working toward a goal.

We would like to provide an alternative to the "isolated scientist" stereotype and remind students that science can be fun, exciting and challenging all at the same time. In college and beyond, students will find that the team spirit and good sportsmanship they develop during Science Olympiad will be deciding factors in their success.

Health concerns and social distancing are important and we encourage teams to make the decisions that best fit their situations when having students compete in this Satellite SO. This may include only having one team member at a computer actually competing, having teams members wear masks, etc. For Satellite SO, this decision is up to the coach/school. In Satellite SO, the team number and structure do not have to be adapted- the events are adapted to a virtual environment.

COACH PREPARATION:

The most important thing to remember is that this competition is for the students. It is strongly encouraged that the coach takes a facilitation role and accepts the fact that s/he cannot know everything about every event- put the onus on the student to do research and critically read the rules. Teams who have a coach who takes a student-focused approach will have a stronger competitive team.

For the 2021 Satellite SO tournament, it is imperative that the coach ensures that all necessary technology is available to students at the location where they will be physically competing.

SCHEDULE FORMAT:

The tournament will still have time blocks and a schedule of events. Most events will be happening live and will be proctored at the same time for all teams. Some events will require only a prior submission, without any live competition on the actual day (e.g. pre-build engineering events). Some events in Division C (but no DIV B events) will require a video submission prior to the day of competition in addition to live competition the day of. It is therefore especially important this year that your students know whether or not their event requires a submission prior to the date of the event, and also what time their event is scheduled for on the day of competition.

NOTE: The schedule has been deliberately made so that any conflicts between events is the same as the conflicts at both the state and the national tournaments.

Complete schedule can be found on the FAU Science Olympiad page at http://science.fau.edu/science_olympiad/

GENERAL EVENT INFORMATION:

The following apply to all events. Please read carefully:

1. For every event, **it is the responsibility of the competitors to have the technology needed to compete** along with any other items listed in the rules.
2. Videos of engineering trials should follow the rules. For example, if the rules state that eye protection is required to test a device, then teams without eye protection in the video will not earn points for the testing portion of the events. Check the rules carefully for these kinds of details.
3. All videos and photos sent in become the property of Florida Science Olympiad. You will be asked for permission before those are shared via social media, websites, etc.
4. Events are designed to allow for a range of results -- some teams will find the event very difficult and some might find it easier. Since this is a competition, events are written for a wide range of final scores and to avoid ties in scores.

VIRTUAL SATELLITE SO EVENT OUTLINE:

This rules addendum breaks down the events into the following categories and outlines the adaptations for those events. Please see each section for more details.

	TEST-BASED EVENTS	TEST-BASED LAB EVENTS	HYBRID AND "OTHER" EVENTS	PRE-BUILD EVENTS
SUMMARY OF CHANGES	<u>Format Change</u> Content is same as main rules; tests will be taken virtually	<u>Format Change</u> No labs or prebuilds; students may be asked to analyze data from labs and/or critique experimental design; tests will be taken virtually	See below for changes	<u>Format Change</u> Students will be required to turn in an "Engineering Log" with photos outlining their data and various iterations of the device AND upload a video of their device being tested
EVENTS	<ul style="list-style-type: none">• Dynamic Planet (B/C)• Reach for the Stars (B)• Astronomy (C)• Road Scholar (B)• GeoLogic Mapping (C)• Fossils (B/C)• Meteorology (B)• Designer Genes (C)• Heredity (B)• Disease Detectives (B/C)• Anatomy & Physiology (B/C)• Water Quality (B/C)• Ornithology (B/C)	<ul style="list-style-type: none">• Food Science (B)• Chem Lab (C)• Crime Busters (B)• Forensics (C)• Codebusters (C)• Density Lab (B)• Circuit Lab (B/C)• Machines (B/C)• Exp. Design (B/C)	<ul style="list-style-type: none">• Detector Building (C)• Sounds of Music (C)• Protein Modeling (C)• Write It/Do It (B/C)• Game On (B)	<ul style="list-style-type: none">• Ping-Pong Parachute (B/C)• Elastic Launch Gliders (B)• Wright Stuff (C)• Mousetrap (B)• Gravity Vehicle (C)• Boomilever (B,C)• Mission Possible (B)

COMPETITION PROCEDURES:

All tests will be administered and taken using **Scilympiad**, which is also the platform that the Florida Science is using to manage most other aspects of the all virtual SO event being held at FAU. So when you register with Florida Science Olympiad, you are also essentially creating your school's Scilympiad account. More detailed instructions will be forthcoming.

Videos, log books, scoring rubrics, and Game On will be uploaded to Google Classroom. A **Sample** Google Classroom for uploading can be logged into using the **code 2b3a3w1** to show students how to upload. You will be provided a different code for your actual regional. More detailed instructions will be forthcoming.

Write It, Do It is being replaced for this year's virtual event with an event that is nearly identical in design called Write It, CAD It. This event will require the use of TinkerCAD, a free software found at <https://www.tinkercad.com/> and will run via Google Classroom according to the **FLORIDA SPECIFIC RULES**.

FORMS FOR VIRTUAL SO:

Prior to competition, the coach must complete and turn in a "Satellite Science Olympiad Acknowledgement of School Use and Primary Coverage Form". This form certifies that your team activities during the tournament are covered by your school's insurance as a "School Sponsored Event" and that there will be supervision for the students during their off-site activities related to the tournament.

CODE OF CONDUCT:

At the beginning of each event that is completed virtually, there is a question where students must acknowledge the Code of Conduct. Student participants are expected to compete in tournament events with an honest effort to follow the rules and spirit of the competition. The goal of the competition is to give one's best effort while displaying honesty, integrity, and sportsmanship.

In addition to students, coaches and parents are also expected to display courtesy and respect toward Olympiad officials, other teams, and guests of the Olympiad. Please remember all officials are volunteer specialists in their field and should be extended every courtesy.

Failure to show honesty and/or courtesy by a participant, coach, or guest of the team may result in disqualification of the team from that event and/or from the entire season.

ARBITRATION:

At times, events might be run in a way that students feel violate the rules. While every effort is made to ensure high correlation with the published rules, there are times when errors by the event supervisor or other issues may arise. **In addition, this Satellite SO situation requires some adaptations to the rules and students should consider that prior to arbitration.**

Changes to Arbitration Procedures for Satellite SO in Florida:

- The tournament director will provide teams with a link to an on-line Arbitration form.
- **BIG CHANGE- Forms must be completed by COACH with feedback from the competitors.** In order to ensure that the Satellite tournament is smooth, we ask that the coach do the following:
 - Allow team members to discuss potential arbitrations with the coach for feedback
 - The coach should decide if the arbitration has merit for this situation (normally, we encourage all arbitrations to have students practice the process, but in this case, we are asking for coach support)
 - A meritorious arbitration would be one that takes into account the rule changes needed for virtual tournaments, and the limitations that this type of tournament may provide.
 - A meritorious arbitration would allow for some outcome
- Arbitrations **MUST** be completed within ONE HOUR of the end of the event block time where the issue occurred.
- Arbitrations will be evaluated and a response will be sent to the email provided on the Arbitration form.
- Email for arbitration at the FAU Southeast Regional Tournament is TTheisen@fau.edu

PROGRESSION TO STATE:

A Satellite SO Tournament is a regional tournament and top teams will be invited to the state competition in accordance with our policies.

Please note that there is only one state tournament and in an ideal situation, that tournament will be held face-to-face. Winners from the Satellite SO Tournament will likely have to travel to UF to compete in the state tournament to earn a spot at nationals.

TEST-BASED EVENTS

DESCRIPTION: Students will answer questions on the topics as outlined in the official rules. The tests will be given using **Scilympiad** (see description within Competition Procedures section, above)

This adaptation will be used for the following events:

- Dynamic Planet (B/C)
- Reach for the Stars (B)
- Astronomy (C)
- Road Scholar (B)
- GeoLogic Mapping (C)
- Fossils (B/C)
- Meteorology (B)
- Designer Genes (C)
- Heredity (B)
- Disease Detectives (B/C)
- Anatomy & Physiology (B/C)
- Water Quality (B/C)
- Ornithology (B/C)

COACH'S ROLE:

1. Ensure that competitors have access to the **Scilympiad** on an **internet connected device** prior to the day of the competition.
2. Ensure that team members are sitting in a quiet room at the start time on the schedule.
If the school has multiple teams, those teams should be seated separately, using a separate device, and should not collaborate during the event.
3. Assist with technical support issues during the event.
4. Assist students in preparing resource materials.
5. Avoid interacting with students directly during the live event in any way other than technical support. This may be grounds for disqualification.

RESOURCES: Competitors may use **digital and/or print resources** but may not receive outside assistance from others during the event. Outside assistance includes communicating face-to-face, communicating via electronic media such as Google docs, text, etc.

THE COMPETITION:

1. Students will be asked to access the test on Scilympiad. The test will only be open for 50 minutes.
2. Time will be a factor. Tests will be written to not be completed in the 50-minute period. Competitors should be prepared to not finish.

TEST-BASED LAB EVENTS

DESCRIPTION: Students will answer questions on the topics as outlined in the official rules. The tests will be given using **Scilympiad**. (see description within Competition Procedures section, above)

These adaptations will be used for the following events.

- Food Science (B)
- Chem Lab (C)
- Crime Busters (B)
- Forensics (C)
- Codebusters (C)
- Density Lab (B)
- Circuit Lab (B/C)

COACH'S ROLE:

1. Ensure that competitors have access to **Scilympiad** on an **internet connected device** prior to the day of the competition.
2. Ensure that team members are sitting in a quiet room at least 10 minutes prior to the start time on the schedule.
3. If the school has multiple teams, those teams should be seated separately and should not collaborate during the event.
4. Assist with technical support issues during the event.
5. Assist students in preparing resource materials.
6. Avoid interacting with students directly during the live event. This may be grounds for disqualification.

RESOURCES: Competitors may use **digital and/or print resources** but may not receive outside assistance from others during the event. Outside assistance includes communicating face-to-face, communicating via electronic media such as Google docs, text, etc.

EVENT CHANGES:

There will be no hands-on labs. Competitors may be asked to do the following instead:

- Analyze data from experiments
- Identify flaws in experimental design
- Describe how you would complete an experiment to test a specific question
- Describe results from images/videos
- Describe content from images/videos

THE COMPETITION:

1. Students will be asked to access the test via Scilympiad. The test will only be open for 50 minutes.
2. Time will be a factor. Tests will be written to not be completed in the 50-minute period. Competitors should be prepared to not finish.

HYBRID (TWO-PART) EVENTS

SOUNDS OF MUSIC- Teams will be required to upload a log and a video before 5 pm on the day BEFORE the tournament of them using their device **AND** complete a test using **Scilympiad** on the day of competition. Videos will be uploaded using Google Classroom (see descriptions within Competition Procedures section, above) Scoring will be 50% on the test, 25% on the log, and 25% on the video.

Log should include:

- List of materials in device
- Data on pitch accuracy vs. design change
- Includes at least 5 data points
- Proper labeling (e.g. title, name, units)
- Labeled device picture

The video cannot exceed 5 minutes in length and should include:

- Description of device and the building process
- Student playing the ascending major scale with octave jump
- Student playing pitches for Twinkle, Twinkle

Please see “TEST-BASED EVENT” instructions for the test portion of this event.

PROTEIN MODELING- Teams will be required to upload a video before 5 pm on the day BEFORE the tournament of them using their device **AND** complete a test using **Scilympiad** on the day of competition. Scoring will be 75% on the test and 25% on the video.

The video cannot exceed 5 minutes in length and should include:

- Identification and description of the elements of primary, secondary, tertiary, and quaternary structure
- Any creative additions

Please see “TEST-BASED EVENT” instructions for the test portion of this event.

DETECTOR BUILDING- Teams will be required to upload a video before 5 pm on the day BEFORE to the tournament of them using their device to test THREE different water temperatures[^] **AND** complete a test using Scilympiad on the day of competition. Scoring will be 75% for test and 25% for video.

The video cannot exceed 5 minutes in length

- The video should refer to the Construction and Competition Parameters section of the rubric found [HERE](#)
- The “Design Log” of the rubric can be ignored for the virtual event
- For testing, only three temps are required, not four
- Teams should show the actual temperature of the three beakers and then show their device measuring those temperatures
- [^]The three target temperatures are 0°C, 25°C, and 65°C
- NOTE: The virtual version of this event **does not** include the use of LED’s to detect a temperature range; this is described in the General Rules Manual but does not apply to the virtual version of this event

Please see “TEST-BASED EVENT” instructions for the test portion of this event.

“OTHER” EVENTS

GAME ON- Teams will be provided a game theme and game type one-week prior to the date of the tournament. Teams will create and save their game and **upload the game as outlined by the event supervisor before 5 pm on the day BEFORE to the tournament.**

WRITE IT/CAD IT replaces Write It/Do It- This event will require the use of TinkerCAD, a free software found at <https://www.tinkercad.com/> and will run via Google Classroom and Google Meets. Link to [NATIONAL RULES](#) and [FLORIDA SPECIFIC INFORMATION](#).

ENGINEERING / PRE-BUILD EVENTS

DESCRIPTION: Teams will demonstrate the ability to use the engineering design process for a device aligning with the event rules. Teams will be uploading an Engineering Log, a video, and a completed scoring rubric to Google Classroom (see descriptions within Competition Procedures section, above)

These adaptations will be used for the following events.

- Ping-Pong Parachute (B/C)**
- Elastic Launch Gliders (B)**
- Wright Stuff (C)**
- Mousetrap Vehicle (B)**
- Gravity Vehicle (C)**
- Boomilever (B,C)
- Mission Possible (B)

**** GRAVITY VEHICLE TRACK DISTANCE IS SET TO 10.5 METERS**

**** MOUSETRAP VEHICLE TRACK DISTANCE IS SET TO 10.5 METERS**

**** NOTE:** Due to the potentially large differences between facilities available to teams for testing at different schools (some have large indoor, some do not) and the possible effect of weather on those who must be outside, flight event scores (Ping Pong Parachute, Elastic Launched Glider, Wright Stuff) will not be included in the total score used to determine advancement to state. These events will still be scored and medals will be awarded to top finishers at the regional level.

COACH’S ROLE: Assist students in uploading the Engineering Log and the Video/Scoring Sheet.

THE COMPETITION:

This event will be completed prior to competition day and the **Engineering Log and Video/Scoring Rubric must be uploaded NO LATER THAN 5 pm the day BEFORE the tournament.**

THE ENGINEERING LOG will be scored on a 200-point scale. The log may be hand-drawn and photographed to upload OR digitally created. *As appropriate, the following might be in the log:*

- Labeled technical drawings of the **final** device. Measurements **MUST** be included! (this will count for 100 points of the 200 total points)
- Photographs, drawings, or descriptions of the variations of the device - whatever you feel most represents the hard work the students did in designing, building, and testing
- Variations tested
 - Data collected in a table and then graphed, as appropriate

- May have test variables such as height, distance, etc. or a physical variable such as a change in the device after failure.
- Variations and tests can include virtual designs as part of the evolution of the device. For example, Boomilever may be first designed using an online program like SkyCiv before actually building. That information should be included.
- Please refer to the event rules and make decisions on your variation data based on those. For example, any log for a flight device should include room dimensions. The dependent variable should be based on the rules, too. For example, any Mission Possible device must have time as a dependent variable.
- Photographs of tests should be included, as applicable
- Dimensions of room, floor, etc. used for the testing should be clearly marked
- The supervisor should be easily able to find the data and parameters for your “best run” that you will be turning in the video/rubric for

THE VIDEO WITH COMPLETED SCORING RUBRIC ATTACHED: Will be scored on a 50-point scale based on The timing/mass of the device as outlined in the rules. The video and log will be used to determine the “best test” data and using the rules, all devices will be ranked with the “best” trial earning 50 points and each ranked device receiving 2 less points from the prior.

- Video should not include extraneous information- just the test from start to finish with no editing
- Scoring rubrics can be found at the following locations (click on the link):
 - [Ping-Pong Parachute](#) (B/C)
 - [Elastic Launched Glider](#) (B)
 - [Wright Stuff](#) (C)
 - [Mousetrap Vehicle](#) (B)*
 - [Gravity Vehicle](#) (C)*
 - [Boomilever](#) (B,C)
 - [Mission Possible](#) (B)

*** GRAVITY VEHICLE TRACK DISTANCE IS SET TO 10.5 METERS**

*** MOUSETRAP VEHICLE TRACK DISTANCE IS SET TO 10.5 METERS**

SCORING:

- **High Score Wins**
- Score will be a combination of the Engineering Log Score and the Video Score

Here is an example of how the Engineering Log score will be determined:

	100 pts	75 pts	50 pts	0 pts
Engineering Log- Technical drawing	- Drawing matches the device shown on the video - Diagram has dimensions clearly labeled	- Drawing matches the device shown on the video - Diagram has some dimensions labeled or labeling is unclear	- Event supervisor cannot determine if the diagram and the device on the video are the same device - Dimensions are missing/inaccurate	- No technical drawing
Engineering Log- Design Process	- There is TEXT that allows the supervisor to determine the students' design choices (corresponding photos can be included, too) - The supervisor can easily match the log to the device on the video - There is DATA in the form of tables/graphs, as applicable to the event. The DATA is clear, neat, and connects to the rules of the event	- There is TEXT that allows the supervisor to determine the students' design choices - The supervisor can easily match the log to the device on the video - There is DATA but the data may be limited or of poor quality	- Log is missing either TEXT or DATA - Supervisor is unable to understand the students' design choices or understand how they were able to get the results from the video run	- No log provided

COACH PAPERWORK

Coaches will have to complete the following paperwork scan it AND email to the regional director (TTheisen@fau.edu) BY 5 pm on the day BEFORE the tournament.

Paperwork Required:

1. Satellite SO Acknowledgement of School Use and Primary Coverage AND COVID-19 Acknowledgement statement
**This form also includes an acknowledgement that all of your team members go to your school and will follow all policies including the Code of Conduct
(**MUST** be signed by the School's Principal/CEO)
2. Press and Website Release Form (for EVERY person- student, parent, coach, etc.)

PRESS AND WEBSITE RELEASE FORM

Date: _____

I _____
(Print student / parent / coach name)

do hereby grant Florida Science Olympiad, INC (Producer) their affiliations, associations, exhibitors and distributors the full unrestricted right to the use of my picture, voice and likeness in multimedia presentations. I also agree to hold Producer Florida Science Olympiad, INC., their affiliations, association, exhibitors, distributors, properties and assets harmless in all litigations regarding this agreement and participation in the above mentioned program and its content.

Signature of Student / Parent / Coach

Parent or Guardian, for persons under age 18: _____
Signature

Producer: Florida Science Olympiad, INC

Science Olympiad, Inc. has introduced a new model of participation for the 2021 school year that permits remote recording and reporting of results from registered Science Olympiad member teams to their sanctioned State Science Olympiad Chapters. There are stipulations that registered teams must follow in order to participate in Satellite Science Olympiad tournaments. This agreement applies to the activities performed while away from in-person, single-location Science Olympiad tournaments held on college campuses or other sites.

If my school is a public or private school, as the head coach of the Science Olympiad team I certify that:

1. Our school has paid state and national membership dues to the State Science Olympiad Chapter in the state our school is located and is a registered team.
2. Our Science Olympiad program is a school-sponsored activity.
3. Our Science Olympiad team has permission to use our school building, facilities and equipment for Science Olympiad practice.
4. **All Science Olympiad team members are currently enrolled students of our school.**
5. All Science Olympiad activities will be supervised by school faculty or those who have met the requirements of being a school volunteer or mentor.
6. All Science Olympiad safety policies found under Policies at www.soinc.org are followed, including the Code of Conduct.
7. That the school's insurance covering enrolled students while in the act of practicing for an extracurricular or school-sponsored event will be the primary coverage for the activities of Science Olympiad.
8. While participating in a Satellite Science Olympiad event, my school voluntarily assumes all risks and hereby releases, indemnifies and holds harmless the State Science Olympiad Chapter or Science Olympiad, Inc., or any of their respective employees, agents, successors, and assigns ("Released Parties") singularly and collectively, from and against any blame and liability for any injury, harm, loss, inconvenience, or any other damage of any kind connected to your participation in this Science Olympiad event.

COVID-19 Acknowledgement

"Florida Science Olympiad has put in place preventative measures to prevent and mitigate the spread of coronavirus (COVID-19), however, by attending this Science Olympiad event, you could increase your risk of contracting coronavirus (COVID-19). By entering the campus, you voluntarily assume all risks and hereby release, indemnify, and hold harmless Florida Science Olympiad or Science Olympiad, Inc., or any of their respective employees, agents, successors, and assigns ("Released Parties") singularly and collectively, from and against any blame and liability for any injury, harm, loss, inconvenience, or any other damage of any kind connected to your participation in this Science Olympiad event."

Principal Signature: _____ Principal Name: _____

Coach Signature: _____ Coach Name: _____

Coach email address: _____

School Name: _____ City: _____

Date: _____ Team #: _____