

38th Annual Frederick County Science & Engineering Fair Secondary Division

Participation Tips

Friday, March 29, 2019 (Check-In/Set Up) 5:30 – 7:30 PM

Students must check in project during this time to be eligible for judging on Saturday.

Saturday, March 30, 2019 (Judging) 9:00 AM – 12:00 PM

(Public Visitation) 3:00 – 4:00 PM

(Awards Program) 4:00 – 5:00 PM

WHERE?? Tuscarora High School

5312 Ballenger Creek Pike, Frederick, MD 21703

Register **on-line** at <http://education.fcps.org/sciencesec/sciencefair> from **Wednesday, January 2, 2019** to **Sunday, March 10, 2019**.

No Late Entries or Walk-ins Accepted!

In addition to on-line registration, ALL STUDENTS must submit official ISEF forms to the FCPS Secondary Science Office (191 South East Street Frederick, MD 21701) by **Sunday, March 10, 2019. Forms may be sent via US mail, fax (301-644-5139) or via email to colleen.beall@fcps.org**

All ISEF forms and more info can be found on
<http://education.fcps.org/sciencesec/sciencefair>

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Participation Tips Continued

Students must be able to set up Friday night **and** be present for judging Saturday.

The Intel ISEF website <http://www.societyforscience.org/isef> offers a helpful Rules Wizard for assistance with selecting the proper forms for all HS participants and for MS participants with potentially hazardous projects.

Every student must complete on-line registration. Teams can complete one ISEF packet.

Students should enter as a team only if they are presenting as a team. If only one member of the team can be present enter as an individual but explain to judges that another student worked on project but was unable to be present.

When in doubt, BEFORE conducting a questionable project, ASK! Ask a teacher or the secondary science office at 301-644-5267 or email colleen.beall@fcps.org (Secondary Science Curriculum Specialist), linda.mosser@fcps.org (Secondary Science Teacher Specialist)

The overall HS student winner will compete in the International Science & Engineering Fair in Phoenix, AZ on May 12-17, 2019.

3 Project Designs Permitted:

Experimental (you generate your own data in answer to a question)

Observational/Theoretical (you analyze someone else's published data)

Engineering (you design and test a prototype that fits a need)

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Participation Tips Continued

Did you know?

- Projects using human participants REQUIRE parental permission from participants.
- NO induced toxicity studies (alcohol, herbicide, acid rain, etc.) or predatory/prey studies of vertebrates are allowed.
- Food/water restrictions of vertebrates CANNOT exceed 18 hours.
- A Qualified Scientist MUST monitor ALL vertebrate animal experiments (preferably a veterinarian).
- Projects involving potentially pathogenic agents (mold or bacteria) CANNOT be done at HOME.
- NO LIVING ORGANISMS of any kind (plants, animals, bacteria, etc.) can be displayed.
- Experiments with animals, humans, potentially harmful microorganisms, and human or animal tissue require prior approval, additional supervision and additional paperwork.

Abstracts:

HS – required

MS - recommended

Intel – ISEF Suggested Experimental Parts:
Question, Hypothesis, Materials, Procedure,
Results in Chart/Graph Form, Analysis,
Conclusion