2021

AOC STEM Competition

Supported by SNC
AOC recognizes the importance of educating and guiding the next generation of scientists, technologists, engineers, and mathematicians using an interdisciplinary and applied approach.

The purpose of this contest is to encourage and support student STEM groups to consider the importance of the electromagnetic spectrum in their studies.

Thank you to Sierra Nevada Corporation for making this happen!

Competition Opens: October 1, 2021
Competition Closes: November 30, 2021
The AOC STEM Program invites students grades 9th through 12th to submit a 1 to 5-minute video for the chance to win $2,000 for their group and gain access to member benefits to enhance their future career goals.

The competition is a chance for your school or STEM team to:

- work on a fun project with an AOC member,
- learn about the electromagnetic spectrum and how it applies to everyday life and future careers,
- win a significant financial award for your school/group, and
- be informative, inventive, artistic, scientific, technical, and creative, in a very short video.
Create a 1 to 5-minute video that explores one or more of the following questions:

- Why is the electromagnetic spectrum important?
- How does it have practical use that makes a difference in how we live our lives?
- What would life be like without the use of the electromagnetic spectrum?

The video could be inspired by the participants’ personal use of the electromagnetic spectrum.

Learn more about the electromagnetic spectrum, visit the STEM Learning Center.

www.crows.org
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Submission Details

▪ The video must be 1 to 5 minutes long.
▪ Each submission must have a point of contact (over 18 years old) that can be a teacher, coach or team leader.
▪ It should include additional details and context such as key terminology.
▪ Video must be in English (or with subtitles)
▪ There is NO entry fee.
Competition Steps

1. Get started
   - Get your group together
   - Check out our Tips and FAQs
   - Contact Blain Bekele (blain@crows.org) to be matched with an AOC member
     - Subject matter experts can help you recognize and connect the EMS to everyday life
     - Assist with technical terms and vocabulary
     - Provide resources

2. Connect
   - POC’s should schedule time to virtually meet AOC members assigned to the group and discuss the project.
   - Do your research.
   - Write your script or storyboard.
   - Record your video!
   - Have fun, we want to see your creativity.

3. Submit
   - Email submission to Blain Bekele (blain@crows.org) by November 30, 2021
   - With your video, you must submit:
     - Application
     - Parent/guardian permission form
     - Group member list

All forms and more information can be found at crows.org/STEM
Reward

- Three groups will be selected as winners:
  - Each winner will receive $2,000 for their STEM club or STEM program.

- All participating groups’ members receive:
  - Free membership to AOC
  - A monthly subscription to the *Journal of Electromagnetic Dominance*
  - Access to our Career Center
    - careers.crows.org/
  - Access to our mentorship program
    - crows.org/page/mentorship
Questions?

Please contact us at Blain@crows.org

crows.org/STEM

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Mentorship Program

A year-long mentoring program pairing senior and mid-level professionals with young professionals and students.

- Connect with our network of professionals
- Connect with other students interested in STEM careers
- Increase your professional network

Together with your mentor:
- Identify your skills
- Set goals together
- Track your progress

Sign up Here
Code: e1ae0e
crows.org/page/mentorship

careers.crows.org/page/mentorship

Career Center

AOC provides the only Career Center that serves as the intersection of talent and opportunity within the Electromagnetic Warfare industry.

- Sign up for a free 25 and under membership
  - Discount code: free25
- Login into the career center
- Upload your resume
  - Match with a mentor to get feedback on your resume
- Search for internships and jobs