Introducing a new STEM program from the Academy of Model Aeronautics!

UAS4STEM is designed to encourage students to explore the sUAS (drone) phenomenon, teamwork, competition, and success through STEM.

SEARCH AND RESCUE CHALLENGE

THE MISSION: A small group of hikers has gone missing in a remote area. Your team has been called upon to provide rapid response using a small Unmanned Aircraft System (sUAS) that can support the search-and-rescue mission.

ELIGIBILITY: Teams consist of between four and ten members. All team members must be between 11 and 19 years old. All competitors are required to complete the sUAS ground school curriculum before kit shipment.

COST PER TEAM: $1,995
Price Includes:
• Ten sUAS Ground School licenses
• Quadzilla quadcopter
• AMA membership
• Regional and national competition entrance
• No additional regional or national event entry fees

For additional details and information, visit:
WWW.UAS4STEM.ORG
Education through Aviation!

The Academy of Model Aeronautics would like to invite you to be a part of the AMA UAS4STEM Challenge. 2016 was the inaugural year for the challenge, and we were proud to inspire hundreds of kids across the country to become future professionals in STEM (Science, Technology, Engineering, and Math) related careers.

Teams of four to ten members between the ages of 11 and 19 will work together to complete a sUAS ground school and build a multi-rotor to use in a lost hiker scenario. The aircraft of choice will be the Mid Atlantic Multi Rotor Quadzilla. This aircraft has been custom-designed for this competition. Made of composite materials including Carbon Fiber and Fiberglass, the aircraft is extremely light, but also very robust. This will allow it to survive any rough tumbles that it may encounter. These aircraft are designed with simplicity in mind, but also require some forethought on behalf of the teams to assemble.

Students will also receive a copy of Real Flight simulator for learning to safely fly the aircraft via radio control. This simulator includes both multi-rotor aircraft, as well as fixed wing, but also includes the ability to do some video type work via FPV. All student competitors will be required to complete the Fly Robotics sUAS Ground School. This ground school is an E-Learning sUAS Center of Excellence designed for self-paced and asynchronous learning. Designed by former Military UAS Flight Instructors, our Ground School was developed with one objective in mind, passing the FAA Commercial sUAS Operator Exam.

AMA will host regional competitions in the Spring. The season will conclude with a national event at the International Aeromodeling Center. Local AMA clubs can become mentors and event hosts as well as allow teams to practice/fly at their sites. This will encourage participation from AMA clubs, members, and the students they will be assisting.

Through the support of various foundations, corporations, and educational institutions the Academy of Model Aeronautics UAS4STEM Challenge is teaching the importance of teamwork and professional development to help shape the next generation of professionals in engineering and aviation. With the help of corporate sponsorships we’ll be able to further the experience of youth for years to come.

Please review brochure enclosed with this letter. If you have questions about the sponsorship opportunities available, or a have a different manner in which your business or organization would like to contribute, please call Jessy Symmes at 765-287-1256 Ext. 516 or email her at jessys@modelaircraft.org.

Sincerely,

Jessica Symmes
Coordinator of Educational Programs
Academy of Model Aeronautics
jessys@modelaircraft.org
765-287-1256 Ext. 516
765-274-1200 Cell
**UAS4STEM SPONSORSHIP INFORMATION**

Please make your check payable to Academy of Model Aeronautics and return with this form.

**Business Name:**

**Contact Name:**

**Address:**

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**Sponsorship Levels**

**SUPER STEM SPONSOR** $10,000

1. Logo listed on all promotional advertising for UAS4Stem- including ad in Model Aviation magazine
2. Name and logo listed on all national contest materials
   a. Programs
   b. Shirts
   c. Team tent cards
   d. Awards Podium
3. Logo listed on UAS4Stem website
4. Recognition in all AMA newsletters
5. Social Media postings on Facebook & Twitter by the Academy of Model Aeronautics

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**STEM SPONSOR** $7,500

1. Logo listed on all promotional advertising for UAS4Stem- including ad in Model Aviation magazine
2. Name and logo listed on all national contest materials
   a. Programs
   b. Shirts
   c. Team tent cards
3. Logo listed on UAS4Stem website
4. Recognition in all AMA newsletters
5. Social Media postings on Facebook & Twitter by the Academy of Model Aeronautics
6. Insert/ Advertisement (provided by company) in grab bags provided to each national contestant
7. Banner recognition at national contest
8. Logo listed on regional and national contest certificates
9. Quarter page advertisement included in the national contest program
10. Name & logo listed in the UAS4Stem rules manual

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**QUADZILLA SPONSOR** $5,000

1. Logo listed on all promotional advertising for UAS4Stem- including ad in Model Aviation magazine
2. Name and logo listed on all national contest materials
   a. Programs
   b. Shirts
3. Logo listed on UAS4Stem website
4. Recognition in all AMA newsletters
5. Social Media postings on Facebook & Twitter by the Academy of Model Aeronautics
6. Banner recognition at national contest
7. Logo listed on regional and national contest certificates
8. Name & logo listed in the UAS4Stem rules manual

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**UAS4STEM SUPPORT SPONSOR** $2,000

1. Name listed on all promotional advertising for UAS4Stem- including ad in Model Aviation magazine
2. Logo listed on UAS4Stem website
3. Recognition in all AMA newsletters
4. Social Media postings on Facebook & Twitter by the Academy of Model Aeronautics

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**UAS4STEM TEAM SPONSOR** $1,995

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1. Name listed on all promotional advertising for UAS4Stem- including ad in Model Aviation magazine
2. Logo listed on UAS4Stem website
3. Recognition in all AMA newsletters
4. Social Media postings on Facebook & Twitter by the Academy of Model Aeronautics