MEMORANDUM

February 1, 2016

To: 2015 STEM Camper

From: Carolyn L. Belczyk, Extension Educator, 4-H Youth Development

Subject: STEM Camp 2016 – Register Today!

Last June you attended STEM Camp at Canter’s Cave 4-H Camp in Jackson, Ohio. We’re confident that you had fun and learned a lot, and we hope that you’ll consider joining us again for STEM Camp 2016. The event brochure and registration form is enclosed for your convenience.

**What:** STEM CAMP 2016  
**When:** June 6-8, 2016  
**Where:** Canter’s Cave 4-H Camp, Jackson OH  
**Who:** Youth completing 5th, 6th, and 7th grades. Both 4-H and non-4-H members are welcome!  
**Cost:** $65 each; contact your local Extension Office for information on local scholarships.

This year’s camp offers a great choice of in-depth STEM focused sessions, including Aerospace, Robotics, Environmental Science, Forensics, Food Science, Life Science, and Animal Science; a return visit from Dr. Bob, Ohio State’s very own science guy; and a visit from Dr. Tim Hamilton, Director, Clark Planetarium, Shawnee State University. He’ll be helping us explore the night sky. In addition, there will be both STEM Camp traditional activities and songs and 4-H camp traditional activities, including a campfire, swimming, and hiking.

Plan now to join us at STEM Camp 2016. And, note: There’s only room for 90 campers! Registrations will be accepted until the camp capacity of 90 campers is reached or until May 1, whichever comes first, so be sure to register early!

We’re looking forward to another great year at STEM Camp!
STEM Camp will be held at Canter’s Cave 4-H Camp in Jackson, Ohio. Visit the camp website to learn more about its facilities: http://4hcanterscave.osu.edu/

Campers will stay in cabins or dorm rooms, eat in the lodge, and enjoy many of the camp’s facilities, including the trails and in-ground pool. Supervision will be provided by Extension professionals, trained teen counselors, and the camp’s permanent and part-time staff.

STEM Camp is sponsored in part by a grant from the Ohio 4-H Foundation.

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Sheldon, from the popular series, The Big Bang Theory, says “Bazinga!” following a practical joke. At STEM Camp, we shout it whenever we discover something new, have fun, make a new friend, or accomplish a goal. (It’s also fun to say following a practical joke.) STEM Camp follows some other Big Bang Theory traditions, including playing “Rock, Paper, Scissors, Lizard, Spock,” singing “Soft Kitty,” and working out roommate agreements to help campers live together in harmony. Campers may discover their inner “Sheldon,” “Leonard,” or even “Penny” as they explore STEM topics, engage in teambuilding and engineering design activities, perform campfire skits, and have a great time!

Registration

Camper Information

Name: ____________________________
Address: ____________________________
City: __________ Zip: __________
County: __________ Grade: ______
Phone: (___) __________ Gender: ___

STEM In-Depth Topic Preference
(Rank first 3 choices for each session.)

Morning:
___ Food Science  ___ Robotics
___ Forensic Science  ___ Aerospace
___ Animal Science  ___ Life Science

Afternoon:
___ Food Science  ___ Robotics
___ Forensic Science  ___ Engineering
___ Animal Science  ___ Environ. Science

A grant from the Ohio 4-H Foundation has reduced the camp fee to $65 per camper. Check with your county Extension office for any additional scholarships or discounts that may be available.

Make checks payable to:
OSU Extension Adams County

Amount enclosed: $__________

Mail form with payment to:
OSU Extension Adams County
215 N Cross St #104
West Union OH 45693
Phone: 937.544.2339  Fax: 937.544.8125
Email: belczyk.1@osu.edu

Registrations will be accepted until the camp capacity of 90 campers is reached or until May 1, whichever comes first.
STEM Camp
Canter’s Cave
4-H Camp
June 6-8

STEM Camp (Science, Technology, Engineering, and Math) is one of three national 4-H mission mandates. It’s also where the jobs of the future are! STEM Camp participants will explore two STEM focused topics in-depth and enjoy traditional camp activities with a STEM twist!

WHO? Camp is open to boys and girls completing 5th through 7th grades this spring.

WHEN? Campers will check in between 2:30 and 3:30 p.m. on Monday, June 6, and will be ready to tell their parents and families all about their STEM experiences at 10:00 a.m. on Wednesday, June 8. Camp will close at 11:00 a.m. on Wednesday.

WHAT? Campers will choose two in-depth STEM sessions. In addition, traditional camp activities will be offered with a STEM twist including campfires, shooting sports, high ropes, hiking, and snacks! Camp will also feature Dr. Bob. (OSU’s very own science guy!)

BRING: Campers should bring all the usual camp supplies – bedding, towels, toiletries, clothes and shoes for the outdoors, a swimsuit, sunscreen, insect repellent, and a flashlight.

NEXT STEPS: Campers will receive confirmation of acceptance and additional forms to complete and return soon after the May 1 registration deadline.

STEM In-Depth Topics
(Assigned first come, first served.)

Life Science: Come learn about the big, wide world around us. From how new therapies and medicines are developed to exercises that will help when you strain a muscle and exploring how your body works – it’s all Life Science! Join us as we dig deeper into what happens around us and within us every day. Depending on weather, we may repeat parts of the 2015 session, but only the fun ones! Offered AM only.

Food Science: Participants will learn how the foods they eat are created, packaged, and marketed. They will experiment with the chemistry involved in making foods and explore how all of their senses affect the taste of food. Extension professionals will team up with a retired General Mills chemical engineer – a real food scientist – to present this session. (This session may repeat some 2015 activities.) Repeated AM and PM.

Animal Science: Participants will explore the many facets of animal science. Hands-on activities will be conducted under the guidance of a local veterinarian and will include experiments, dissection, equipment exploration, and more! (This session may repeat some 2015 activities.) Repeated AM and PM.

Robotics: What could be more fun than programming a LEGO Mindstorm EV3 robot? We’ll assemble a robot and explore basic programming in this hands-on session. Repeated AM and PM.

Aerospace: Curious about how airplanes stay in the sky and how rockets launch through the atmosphere? Participants in this session will explore rockets, airplanes, flyers, and balloons to help us understand what powers these flying vehicles. (This session may repeat some 2015 activities.) Offered AM only.

Environmental Science: We’re looking for participants who are concerned about the health of our planet, who want to explore our local water sources and find ways we can improve our aquatic habitats. If that happens to be you, roll up your sleeves and prepare to head into the great outdoors. Be warned! We just might get wet, so bring waterproof or old shoes; no flip flops allowed on this adventure! Offered PM only.

Forensic Science: Shows like NCIS and CSI have introduced viewers to forensic science. Forensic scientists help investigate crimes by collecting and analyzing physical evidence. Participants in this session will step away from the TV and explore how forensic science is used in the real world to help solve crimes. (This session may repeat some 2015 activities.) Repeated AM and PM.

Engineering: Ever wonder what goes into building a new road, constructing skyscrapers so tall or making sure the bridges we travel are safe? Come learn about the science behind building the things that help us live in today’s world and try your hand at engineering design! Offered PM only.