Join University of Maryland Extension 4-H educators in a one day workshop chock full of FUN and informative activities relating to science, technology, engineering, & math topics.

The STEM Day Summer Workshop entitled *Rise to the Challenge* is being offered in Somerset and Wicomico Counties.

**WHO**: Ages 11-14

**WHEN**: 9 a.m. to 4:30 p.m.

**WHERE**: Choose between two program locations

UMES, Princess Anne
Monday, June 23rd

Or

Christ United Methodist Church, Wicomico
Wednesday, June 25th

**COST**: $20/ Student*

A mid-morning snack will be provided. Please bring a brown bag lunch that does not need to be refrigerated.

Today, 4-H serves youth in every state across the nation. 4-H programs offer a wide variety of STEM opportunities – from agricultural & animal sciences to rocketry, robotics, and environmental protection – to improve the nation’s ability to take on the leading challenges of the 21st century.

Here on MD’s Lower Eastern Shore, 4-H has launched a new initiative to enhance and expand our existing STEM programming. We’re excited to bring these new opportunities to youth in our community!

"The main goal of STEM education is not for students to become mathematicians, scientists, technicians, or engineers; although it would be great if more of our youth had such aspirations. The goal is for all students to be able to function and thrive in our highly technological world--that is, to be STEM literate." - Jo Anne Vasquez, STEM author

More information and directions to follow with Registration Packet

* Scholarships & Multiple Student Family Discounts available.

"The University of Maryland is an Equal Opportunity Employer and Equal Access Programs "

Rise To The Challenge

June 23rd

Or

June 25th

4-H STEM Summer Workshop
UME 4-H STEM Day *Rise to the Challenge* Registration Form. DUE BY: FRIDAY, MAY 30, 2014

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I will be attending: **Circle One**

**MON, JUNE 23 UMES or WED, JUNE 25 CHRIST UMC**

PLEASE MAKE CHECKS PAYABLE TO: UMES

Mail Registration Form and $20 Non-Refundable Payment to:

UME-UMES
Attn: Jocelyn Koller
2122 Richard Henson Center
Princess Anne, MD 21853

For questions, please call 410.651.7974, or email: jckoller@umd.edu

Once your registration form is received, a registration packet will be mailed to you. Please bring this packet with you on the day of the event.

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| **Skyscrapers are one of the most glorified products of Civil Engineering. You will learn about skyscraper history & basic design principles behind their success. Then, build the tallest "skyscraper" that can withstand compression force.** |
| **Design, build, test, and launch your own colorful hot air balloon. Learn about ballooning history, principles of flight, & NASA's Scientific Balloon Program. Practice the engineering design cycle & apply your knowledge of surface area & volume to build the highest flier!** |
| **Welcome to NANOWorld! Become a Nano Ninja by learning what "BIG" things are happening in nanoscience and nanotechnology. Answer the question... how does a Gecko and it's feet fit into NANOWorld?** |
| **Breads Arising** Learn why yeast are the mighty microbes in bread as you create and knead dough during this session. Then, watch the yeast work to make your dough rise, take it home, bake it, and enjoy your handcrafted loaf of bread! **Little Things Rise Up** Learn why yeast are the mighty microbes in bread as you create and knead dough during this session. Then, watch the yeast work to make your dough rise, take it home, bake it, and enjoy your handcrafted loaf of bread! **Rising Into History** Skyscrapers are one of the most glorified products of Civil Engineering. You will learn about skyscraper history & basic design principles behind their success. Then, build the tallest "skyscraper" that can withstand compression force.** |

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