

EXPANDING HORIZONS 2018

For Grades 3-5

RIVERSIDE



SESSION ONE (JULY 9 - JULY 13)

9-10 a.m. **Check-in, Guest Speakers** 

10-11:45 a.m.
Makerspace Challenge

Want to build a bridge, make a pulley system or create a Bristlebot? Makerspace is taking the world by storm! Imagine DIY meets education. Makerspace is a chance for students to engage in hands-on inquiry and investigate creativity in action. Students will work as a team to solve Makerpuzzles, and they will share ideas, design concepts, and engineer/re-engineer solutions.

11:45 a.m.-12:15 p.m. **Lunch** 

12:15-2 p.m.
The Great STEM Debate

Practice your scientific argumentation and learn how to debate like a real scientist! Do you have ideas that you want to research and share? Students will debate STEM content while incorporating critical thinking, research, speaking, listening and teamwork. After being presented with a realistic, yet fictional scenario, students consider arguments that are either for or against a proposal. They will take a position and then defend it in a friendly, structured format.

2-3:45 p.m.
The Art of Music and Science

What do Leonardo da Vinci, rockets, and a symphony orchestra have in common? All incorporate and utilize math, science, and art. Students will explore art and music, and then make mathematical and scientific connections to their everyday life. Students will work together to create a virtual art museum where their individual pieces and interpretations will be presented via technology.

3:45-4 p.m. **Daily Wrap** 

SESSION TWO (JULY 16 - JULY 20)

9-10 a.m. **Check-in, Guest Speakers** 

10-11:45 a.m.
Makerspace Challenge

Want to build a bridge, make a pulley system or create a Bristlebot? Makerspace is taking the world by storm! Imagine DIY meets education. Makerspace is a chance for students to engage in hands-on inquiry and investigate creativity in action. Students will work as a team to solve Makerpuzzles, and they will share ideas, design concepts, and engineer/re-engineer solutions.

11:45 a.m.-12:15 p.m. **Lunch** 

12:15-2 p.m.
Multimedia Madness

Do you have an idea for a podcast, short film or tv show? Investigate the innovation and technology associated with the study of new media. Using their imaginations and skills, students work together to create and edit interactive multimedia presentations, digital images, sound, and movies. Multimedia activities provide participants a hands-on experience with how current technology is used in the workplace. They will also learn about multimedia's application to information technology.

2-3:45 p.m.
Superhero Science

Do you know how Superman can fly or how Aquaman can breathe in and out of the water? Students analyze and discuss familiar superheroes and supervillains to expand their understanding of character types and conventions. Students consider social issues that confront their everyday reality and respond by incorporating those issues into the creation of their own superheroes. Students work cooperatively to create a comic book, powerpoint storyboard, or short skit that presents their new Superhero!

3:45-4 p.m. **Daily Wrap** 

Visit our website for requirements and to apply.

This is a sample schedule.
Content may be delivered in a different sequence.

PROGRAM INFORMATION

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