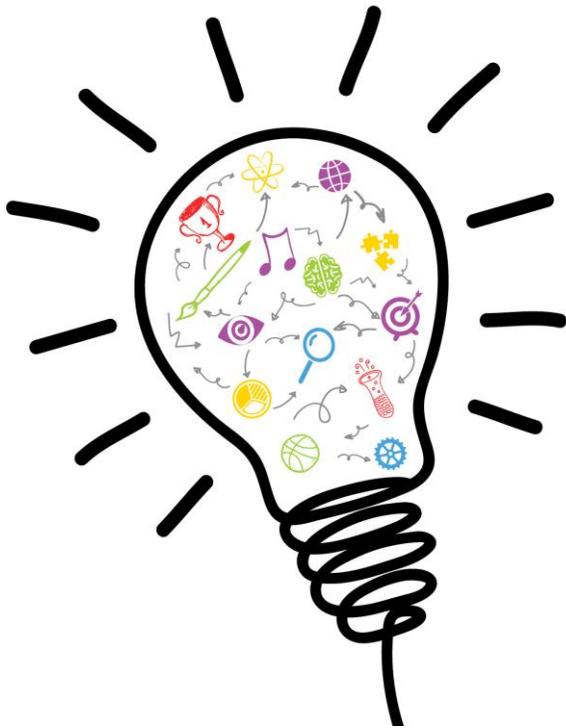# #whatwillyoumake?
Visit all of our Maker Stations!

"StopMotion" Lego Animation	Create a stop-motion animation film with Legos. Bring your ideas to life in animated films.
Tear It Down: What Makes Things Work?	Ever see the inside of a hard drive? Take apart electronics and other devices. See what's inside computers, phones, vacuum cleaners, etc. Use a component checklist to learn about how things are made.
Crime Scene Investigation Activities	Are you interested in solving crimes? Participate in some science activities that detectives use to unravel the mystery.
Build a Model Hand	Come build a working model hand and get a better understanding of the mechanical you!
Virtual Reality	Try Virtual Reality: experience an Oculus Rift or build a Google cardboard headset to use with your phone
Kite Making	Design, build, and decorate kites take them outside to fly them.
Make a Musical Instrument	Repurpose disposable drinking cups and straws to make "vuvuzelas" (very soothing) and "H'Oboes," oboes for hobos.
Record Your Own Music	Use software on an iPad to create your own multi-track music recording using many different sounds including your own voice.
Marble Roller Coaster	Come see our expanded 8' marble machine and try your hand at building roller coasters for marbles.
Woodworking	Learn to saw and plane. Make a wooden robot or a sturdy footstool.
Kinetic Sculpture	Make a sculpture with mixed media and motors.
Robot Zoo	Check out robots built by the CHS Robotics Club, like animals, a putting robot and paper airplane launcher.
Drawing Robots	Teach a robot to draw a picture of your design using a visual programming language. It's easy!
Screen Printing	Discover the fascinating process used to print t-shirts and posters.
Creating Batteries	Build your own batteries out of everyday materials. Explore alternative energy.
Hovercraft in the Hallways	Turn a leaf blower into a hovercraft? See it on YouTube and give one a test drive.
Harmonograph	Use a Harmonograph, a table with three pendula, to make beautiful, mathematical patterns on paper. See what happens when you change the motion, weights and length of the pendula.
Engineering	Test your skills at solving engineering challanges with common materials
MakerTown	Be an architect for a while and help build a replica of SOMa villages (or something you choose) out of upcycled cardboard, cool tools and fasteners. Paint and decorate to complete your creation.
Green Rockets	Take to the sky with the explosive power of water rockets.
Computer Programming	Try your hand at a high school level programming challenge.
Hour of Code	Anyone can learn to program, using exercises and games from the popular, international HourOfCode site
Minecraft	Develop Worlds and learn new Minecraft Skills.
Embroidery for Future Surgeons	"Painting with Thread" is a classic craft that is as good for your fingers and your brain as it is for your soul!
Wearable Electronics	Combine Sewing wtih Electronics to make clothing that glows and sparkles.
Drones	Watch drones in action and witness flying from the drones point of view
Balloon Hovercrafts	Race your own simple hovercrafts, made from 4 components, including recycled cds and balloons.
Printmaking from Nature	Make beautiful prints from nature using edibles like shallots, melons and limes.
Popsicle Stick "bombs"	Study potential energy by making a pattern of popsicle sticks that stores energy, so they can explode in a sequence

Welcome to Maker Madness!

The Achieve Foundation proudly presents this fun event to showcase the exciting new world of STEAM (Science, Technology, Engineering, the Arts and Math) education to the community. Find out about a few of the cutting-edge programs currently being offered in the South Orange & Maplewood schools and try a few of the countless possibilities of ENJOYABLE ways to learn through equal parts demonstration (teaching) and experimentation (creation and play).

The following families and businesses helped the Achieve Foundation bring

Maker Madness

to the South Orange and Maplewood school community

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