



Discover the fun of STEAM through hands-on activities for the whole family!

Centennial Middle School
Wednesday, January 23rd, 2019
5:00 – 5:30 Free Pizza Dinner!
5:30 – 7:00 Fun Family STEAM Stations of Your Choice!

FREE EVENT for ALL CMS Families.
Register either online or submit the form below.

Funded by the PTO, CMS and GEAR UP Grant.

For more information, contact: Rosalie Sigler, GEAR UP Coordinator,
(509) 340-7103 or rosalie.sigler@wvdsd.org

Online Registration:

https://goo.gl/forms/9oPop2fVrNe9Ytc02



Yes! Sign up our family for STEAM Family Night at Centennial Middle School! (Turn in to the front office.)

Name of CMS student: \_\_\_\_\_ Grade: \_\_\_\_\_

Number of Adults: \_\_\_\_\_ (Students/siblings must be accompanied by an adult.)

Number of Children (Including CMS student) \_\_\_\_\_

Ages of Children \_\_\_\_\_

Parent/Guardian Email: \_\_\_\_\_



Fun STEAM Stations to Choose From!

CO2 Car Races

See pg. 2 for info on buying a kit and creating a CO2 car with your family before the event. Then bring it to the STEAM family night and race!

Student Showcases

Technology Student Association (TSA) students will share projects to compete at the state competition!

Sphero Ball Robots

Drive a robotic sphere through a maze against other contestants!

Stress Balls

Make your own stress ball and learn the science of why it works!

Deal or No Deal

A fun math probability gameshow!

Slime Making

Learn the chemical reaction that occurs to create slime!

Spirograph Art

Learn how math and gears can create beautiful artwork!

Tower Building Challenge

Design and build the tallest and strongest tower!

Stop Motion Animation

Learn how to create your own animation movie by combining still photos!

Glow Salt Circuits

Create a glowing salt circuit that lights an LED!

CO2 Car Kit Form On Back (Optional and so much FUN!) [arrow icon]

# CO2 Car Competition at STEAM Family Night!

Parents/Guardians,

Centennial's Technology Student Association (TSA) is excited to present the 2nd annual CO2 Car Competition! The competition will take place Wednesday, January 23<sup>rd</sup>, 2019, 5:00 – 7:00 pm, during the STEAM Family Night. We have electronic timers, starters, and track. We just need racers!

**This is open to all Centennial students, not only TSA members.**

## Step 1: Purchase a \$15 CO2 Car Kit (balsa wood block, axles and wheels.)

The balsa wood blocks come in a wedge shape. Shaping and constructing the car will be up to the student and family and is similar to a pinewood derby car. The balsa is easily sanded or shaped using sand paper, files, rasps, coping saws, or any other cutting/abrasive source available. (For safety reasons, the CO2 cartridge will be supplied at the competition.)



**Scholarships available, while funding and supplies last.**

**If your family would like to participate and needs financial assistance to purchase a CO2 Kit, please mark the "Scholarship" box below.**

## Step 2: Create your CO2 car with your family before the competition.

Design planning can be assisted through a website called White Box learning. This site allows students to design and test their cars virtually. They are then able to print their design, glue it to their balsa block and cut or sand more exactly based on their virtual design. White Box Learning is not a requirement, just a potential tool. Usernames and passwords will be given out to interested students on an individual basis from Mrs. Wright.



## Step 3: Bring your CO2 car to the STEAM Family Night and race it!

Check in starts at 5:00 pm on Wednesday, January 23<sup>rd</sup>, 2019



## CO2 Car Kit Order Form

Please return this form, along with \$15,  
to the CMS Front Office.

**(Checks can be made out to Centennial TSA)**



Name: \_\_\_\_\_ Advisory Teacher: \_\_\_\_\_

Number of CO2 car kits: \_\_\_\_\_ x \$15 = \$ \_\_\_\_\_

**CO2 \$15 Scholarship.** By receiving a CO2 Car Kit scholarship, my family commits to attending the STEAM Family Night.