

SMMS STEM NIGHT



Maverick students,

Come strut your stuff at STEM Night! Choose any topic from **Science, Tech Ed, or Math** and show us your invention or idea! Can you build a better mouse trap? Create a robot to clean your room?

STEM Night is Wednesday April 10, 2019 from 6-8 pm at Smart's Mill MS.

You will have a table to present your concept, or model to parents, students, teachers, and community members.

Applications are due Friday March 8 to your Science, Math or Tech Ed teacher.

Below are the rules and safety concerns.

Safety Concerns

- ✓ Projects may not have any chemicals or items that are not approved by the Science or Tech Ed department. Anything that could be harmful to the public or that is prohibited on school property cannot be exhibited at STEM Night. This includes harmful chemicals, acids, poisons, explosives, open flames, combustible materials, and sharp items (knives, pins, hypodermic needles).
- ✓ No living organisms except plants will be exhibited at STEM NIGHT. Display of foods, molds, bacteria, or any other type of cultured growth is not permitted, but they may be displayed as models or pictures.
- ✓ Projects may not include inhumane treatment of people or animals.

Topics may include:

- **Earth and Space Sciences** (Weather, solar system, Watersheds, Renewable/Nonrenewable Energy, Pollution)
- **Life Science** (Biology, Cells, Ecosystem, DNA, Plants and Animals, and Human impacts on the environment)
- **Physical Science** (Chemistry, Energy, Chemical Reactions, Force and Motion, Newton's Laws, Simple machines, Electricity, Sound and Light energy)
- **Math and Engineering** (robotics, coding etc.)

Dates and Information

- ✓ Must have a hands-on demonstration or model to exhibit their scientific principle.
- ✓ Must have a presentation board to explain concept with pictures, diagrams, etc.
- ✓ Must be able to attend and explain the concept to individuals during STEM Night.
- ✓ **Have proposal submitted by MARCH 8, 2019 to your Science, Math or Tech Ed teacher!**

Turn over for the registration form!

Smarts Mill's STEM Night Registration Form

Due March 8th, 2019.

Science, Math or Tech Ed TEACHER: _____ Grade Level _____

STUDENT NAME: _____

PROJECT TITLE: _____

DESCRIPTION OF ACTIVITY, MODEL, OR DEMONSTRATION:

SAFETY CONCERNS:

- _____ I NEED AN ELECTRICAL OUTLET
- _____ I NEED A CHROMEBOOK
- _____ I NEED SAFETY GOGGLES or GLOVES or LAB COAT (circle all that apply)

MATERIALS BEING USED:

- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

***All parents must sign and approve their child's STEM Project.**

I acknowledge that I have received and reviewed the materials for the STEM Night.

I have approved and given permission for my child to participate in this year's STEM Night.

Student's Signature _____ Date _____

Parent's Signature _____ Date _____

Teacher's Signature _____ Date _____

Teacher's Approval of Project