

IT'S NOT TOO LATE!!!

Evans Elementary K- 6

STEAM EXPO 2017

**DO YOU LIKE TO CONDUCT EXPERIMENTS?
DO YOU LIKE TO EXPLORE THE WORLD AROUND YOU?
JOIN US FOR AN EVENING OF DISCOVERY.
PARTICIPATE IN THIS YEAR'S STEAM EXPO
AND MEET OTHER
EVANS STUDENTS JUST LIKE YOU!**

DATE: Friday, May 12th, 2017

WHERE: James S. Evans Elementary

TIME: 6:30pm- 7:30pm

Setup begins at 6:00pm

Projects may include any areas of Science, Technology, Engineering, the Arts or Math.

Projects will not be judged.

All participants will be entered into a drawing by grade level to win a special gift.

(More helpful info attached)

Please print and return the bottom portion to your child's teacher.

NO LATER than Friday April 21, 2017

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Evans Elementary STEAM Expo 2017

Student Name: _____

Title of Project: _____

I have discussed this project idea with my parents and I am willing to commit to following through on this project.

Student signature: _____ Date: _____

Electrical Outlet Required? YES or NO (please circle)

**** You must provide your own extension cord.****

Teacher's Name: _____ Grade: _____

Parent/ Guardian Name: _____

Parent/ Guardian Email: _____

Students might choose to conduct an experiment, perform a demonstration, and/or present their "research." Students' projects are NOT limited to the following areas of study or types of projects. These are provided to help those looking for ideas. 5th and 6th grade students who have prepared work for the district fair are welcome to exhibit the same project at the Evans STEAM Expo. You may also want to check out the following websites for some great suggestions:

<http://school.discoveryeducation.com/sciencefaircentral/jvc.html>

<http://www.teacherstryscience.org/kids-experiments>

<http://pbskids.org/dragonflytv/scifair/>

http://www.sciencebuddies.org/science-fair-projects/project_ideas.shtml

ANY questions?

Please feel free to contact either PTA STEAM Expo co- chairpersons

Kendra Luele Kendra.luele@wcsdny.org or

Dawn Hormel Dawn.hormel@wcsdny.org

Reminders:

- Due to health and safety concerns, ****No bacteria/mold cultures or live animals**** will be allowed at the STEAM Expo.
- Please remember to bring an extension cord if using electricity and any materials required to set up/ breakdown/ cleanup your project.
- Parents - Please provide **MINIMAL ASSISTANCE**. Remember this is an opportunity for your child to **BE CREATIVE** and **HAVE SOME FUN** with science.

Areas of Study in Science K-6

Kindergarten-Exploring Our World

Weather and Climate

Pushes and Pulls

Interdependent Relationships in Ecosystems:

Animals, Plants and Their Environment

First Grade – Order in our World

Investigating Attributes & Properties of Objects

Identify the States of Matter

Investigating Living Things

The Sun, The Moon & Stars

Light & Sound

Living Things

Second Grade – Measuring Changes in Our World

Tools to Measure our World

Observing and Measuring Changes in Energy

Observing and Measuring Changes in Living Things

Observing and Measuring Changes in the Environment

Third Grade

Plant Cycles

Electricity

Water Cycles

Animal Cycles

Fourth Grade

Simple Machines

The Earth – destructive forces, rocks, and minerals

Digestion, Nutrients, Food Chains & Webs

Fifth Grade

Interactions of Chemical Matter (controlled Studies)

Interactions in the Microworld

Interactions in the Human Body

Interactions in the Environment

Sixth Grade:

Investigating:

The Nature of Science & Technology

Energy (Electromagnetism, Potential/Kinetic)

Earth in Space

The Environment (Ecosystems)

Areas of Study in Math K-6

Kindergarten

Numbers 5, 10, 20 to 100

Order by size, length or weight

Size and Position

Flat Shapes & Solid Shapes

Comparing Sets

Ordinal Numbers

Number Facts
Length and Height
Addition and Subtraction Stories
Measurement
Money

First Grade

Addition & Subtraction with 10,20,40, 100 to 120
Numbers and Counting
Length

Graphs & Data
Mental Math Strategies
Calendar & Time
Money
Getting Ready for Multiplication & Division

Second Grade

Measure length
Money
Fractions
Shapes and Patterns
Lines and Surfaces

Third Grade

Multiply/Divide
Fractions
Area

Adding/Subtracting with regrouping

Fourth Grade

Place value
Add/Subtract/Divide/Multiply
Fractions
Area/Perimeter
Geometry (symmetry/angle measurement)
Convert Units of Measurement (ex. cm to mm)

Fifth Grade

Whole Number estimation
Measurements
Graphing
Area/Perimeter
Fractions/Decimals
Geometry

Sixth Grade:

Positive and Negative Numbers
Number Lines
Multiply Divide Fractions/Decimals
Ratios & Rates
Percent
Algebraic Expressions
Coordinate Plane
Area of Polygons
Surface Area and Volume of Solids
Introduction to Statistic

Areas of Study in the Arts in K-6

Kindergarten

Art in Nature
Cultures and Historic Periods-Prehistoric
Find and use different registers of the voice
Move to a steady beat
Play unpitched classroom percussion instruments

First Grade

Visual Arts as Communication
Cultures and Historic Periods-Australian
Use the singing voice
Perform steady beat while singing and listening
Sing in verse and refrain form

Second Grade

Impressionism
Cultures and Historic Periods-African
Sing familiar songs tunefully
Know the instrument families by sight
Know how to create different musical sounds
Be able to play mallet percussion

Third Grade

Abstract
Cultures and Historic Periods - Asian

Be able to hear, read, write and perform rhythm patterns
Identify instrument families by sound
Be able to sing a melody written on the treble staff

Fourth Grade

Realism with an Emphasis on The Hudson River School
Cultures and Historic Periods - Early American
Understand meter
Understand the production of sound for each instrument family
Be able to play the soprano recorder

Fifth Grade

Late 20th Century with an emphasis on Pop Art
Cultures and Historic Periods - Ancient Americas
Be able to sing musically
Be able to hear, read, write and perform melodies
Be able to sing in harmony
Be able to play traditional Latin American percussion instruments

Sixth Grade:

Renaissance
Cultures and Historic Periods - Egypt & Greece
Know about your own voice
Know and differentiate between different performing ensembles
Understand theme and variation