



Memorial Spaulding Elementary School's  
1<sup>st</sup> Annual

# STEAM Day

Sunday, May 17, 2020

1:00-4:00 PM

<http://memorialspauldingpto.org/steam-day/>  
[STEAMDay@memorialspauldingpto.org](mailto:STEAMDay@memorialspauldingpto.org)

Newsletter: February 2020

**STEP 2: Plan Your Project**

Our January Newsletter **STEP 1: Think of an IDEA** showed us that so many students are excited about STEAM Day!  
Here are some examples of what kids are planning to do:

- *Jeff and Ben* are designing and creating a marble run using fans and boats.
  - *Sonia* is doing a science experiment looking at capillary action using flowers.
  - *Khadijah* is working on an artistic representation of the water cycle.
  - *Hunter* is building and testing a wind tunnel using a toy car.
  - *Emily* is designing and building detailed architecture for a castle.
  - *Mika* is investigating acidic, neutral, and alkaline liquids.
  - *Dominik and Sam* are collecting and growing bacteria samples.\*
  - *Ryder* is measuring pollution on Brookline Street.
  - *Tomer* is creating a solar powered birthday decoration.
  - *Platon and Simon* are engineering a robot that is programmed to move around.
- ...AND MANY MORE!!!**

So, what do you do now? Here's some information on the next steps. Go to our website for more details.

## STEP 2: Plan Your Project!

The Scientific Method can be followed to design and carry out your plan. Here are the first steps:

- 1) Make Observations – Think about what is interesting about the topic you picked. Consider what you already know and do some research to learn more. Ask your parents to help you look online or find books in the library about your idea.

\*Ex., Dominik and Sam already knew that lots of kids and adults get colds and flu. They learned from reading library books that bacteria and viruses lead to these illnesses, and they are often passed from one person to another on their hands.

- 2) Ask a Question – Come up with a key question you want to answer or problem you want to solve. Outline the steps you need to take to test your question or figure it out.

\*Ex., Dominik and Sam wondered: What places at school and home have the most bacteria? And how much does washing hands or using hand sanitizer help stop the spread of bacteria? They decided to collect samples from different places using slices of bread, and they would wait a few weeks to see how much would grow over time.

- 3) State a Hypothesis – Decide on what you *\*think\** will happen when you test your idea. Will it work? What will be the outcomes? What might be some problems or challenges?

\*Ex., Dominik and Sam hypothesized: Places that are touched the most (like doorknobs) will have the most bacteria, and washing hands is as helpful as using hand sanitizer to stop spreading bacteria.

Look for the next steps in our upcoming newsletters...

Thank you to our generous **SPONSORS!**



Newsletters coming soon...

Mar 2020 - Step 3: Fun Time

Apr 2020 - Step 4: Show it off

May 2020 - Step 5: Final Prep

