



Science, Technology, Engineering, & Mathematics (STEM) Day is Tuesday, October 6

Wade Park holds every scholar to the highest academic expectations to ensure their success. Our educators are focused on meeting the diverse needs of all scholars. Our ultimate goal in science instruction is to immerse scholars in reading, writing, and arguing like real scientists and engineers, in classrooms alive with inquiry and discovery. **All scholars are required to participate in our monthly S.T.E.M Day. See suggested activities below and pick one.** We are asking families to video and/or photograph the scholars participating in the STEM project and then send pictures to Ms. Powers (216-681-5011 or sondra.powers@clevelandmetroschools.org).

ACTIVITY 1: THE PERFECT PAPER AIRPLANE

Students can build and create the perfect paper airplane. Write down the steps and specific folds they make, measure the length of the paper and account for the use of different types of paper. Students can then test a minimum of 3 airplanes. They should throw each at least 5 times and record their findings to determine which build and type of paper made the best airplane and consistently flew the furthest. They can also add variables they didn't account for such as wind resistance and the amount of force they used to throw each plane, trying to make it as consistent as possible.

Materials: Different types of paper, pencil, and ruler to measure distance

ACTIVITY 2: HOW DOES MASS AFFECT THE SPEED OF A TOY CAR

Students can test multiple toy cars on the same ramp. They must weigh each to determine the differences. Then let them each roll down the ramp. Using a stopwatch they can determine the time it takes each car to roll down the ramp and determine which car rolled down the fastest. They can determine if having more mass helped or hurt the car rolling down the ramp.

Materials: toy car, cardboard ramp, stop watch

*Choose
Greatness*