

Third Quarter STEAM Home Project: Marble Maze Middle & Upper: Third – Sixth Grade Students

Due: Friday, March 15 at the start of school

Each quarter students will be expected to complete one STEAM challenge/project at home. Students will most likely need some parental involvement to complete.

Materials needed will often be recycled materials or inexpensive supplies. Some supplies may also be provided from the school if asked for in advance. The use of purchased kits is discouraged, as it limits individual design and creativity.

Projects are meant to be fun, creative learning experiences, and students will get more out of the experiences if they put in more effort. These simple projects all incorporate science, technology, engineering, arts, and mathematics.

Project/Challenge:

Design and construct a marble maze that has a beginning and an ending point. Your maze must have walls, dead ends, and a planned path for your marble to travel.

Remember that your marble must be able to fit through your space.

It could also include obstacles and traps.

Your maze should be colorful and attractive as well as fun to play.

It should be sturdy enough to allow for multiple classmates to play with it during school.

Additional Resources:

- Marble Mazes constructed by students:
<https://www.youtube.com/watch?v=eAsskbnsqDQ>
- 16 World's Most Incredible Mazes:
<https://www.youtube.com/watch?v=wffBar7YfRE>
- Get Lost with the World's Master Maze Maker:
<https://www.youtube.com/watch?v=xnVHbxHBlAo>

Please contact a teacher with any questions. Sign and date that you are aware of the STEAM project as well as the due date.

★ If you are not in attendance on March 15, it is your responsibility to turn it in prior.

Student Signature

Date

Parent Signature

Date