

## ROLLER COASTERS



**STEAM students spent class time learning about Roller Coasters!**



**Try your hand at creating a successful roller coaster!**

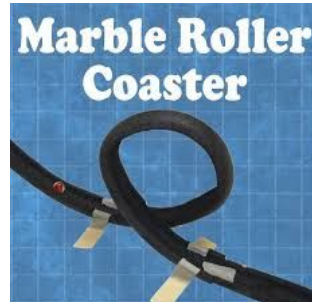
<https://tinyurl.com/y27wtmlo>

STEAM students investigated Kinetic Energy, Potential Energy and how mass and friction affect the speed of a roller coaster! After several design remakes, each student was able to create a track that would sustain a successful ride that was fun too! Students uses loop de loops, drops, and inclines to make a great ride!

**Want to ride the FASTEST & TALLEST coaster nearest Peekskill?**

**KINGDA KA**

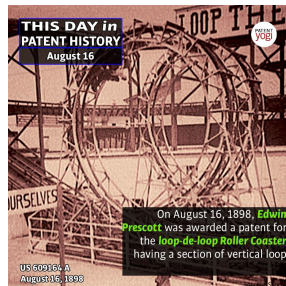
1 Six Flags Blvd, Jackson Township, NJ 08527



*Next Week, STEAM students will construct marble roller coasters with the elements and concepts they have learned!*



## STEAM students learned the



## HISTORY of Roller Coasters

## What Happens to your body on a Roller Coaster?

### Did you know?

*On average your heart rate increases from 89 to 155!*

*Your heart pumps your blood in the wrong direction.*

*Your organs lift and float inside your body.*

*Your body gets pushed backwards even though you are hurtling forward!*

*Your pupils dilate*

*Your body releases dopamine, adrenaline, and serotonin, which is the "fight or flight" combination.*

*Your body is preparing you for the stress and danger of the experience!*

## WHAT IS POTENTIAL & KINETIC ENERGY ?

