girl scouts
of northern new jersey

Daisies
We have a challenge for you!

Roller Coaster Design Challenge

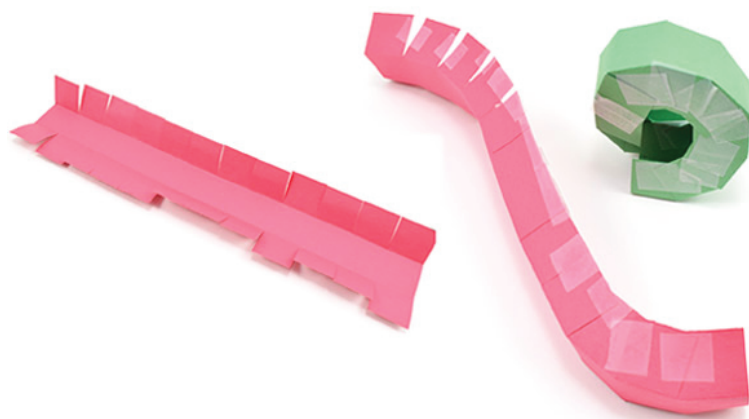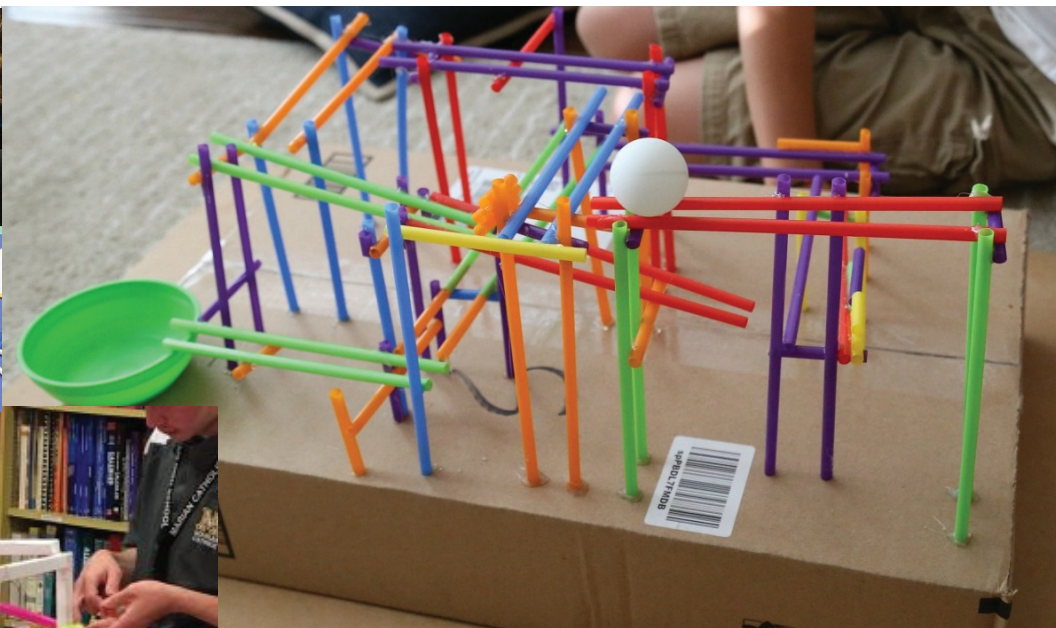While we are home, create your very own roller coaster and car, and share your creation with us @gsnnj.

Supplies:
- Clean Sponge (suggested for car)
- Popsickle Sticks (wooden roller coaster)
- Spools (for wheels, or anything round or cylindrical)
- Tape (for joints)
- Clay or Model Magic (joint for the coaster or car; form the body of the car out of model magic)
- Scissors
- Cardboard (make your roller coaster track)
- Paper (draw your design)
- Pencils

(please note these supplies are guidelines, feel free to use your resources wisely.)

Be an engineer and create!
1. Protoype on paper (draw your roller coaster design)

2. Build a model of your roller coaster and car

3. Test it out! Did it work? If not, how would you enhance it?

4. Share @gsnnj

Roller Coaster Design Challenge Examples

Circular Motion Sections on Roller Coaster Rides

Loops   Small Dips and Hills   Banked Turns