



FOR YOUTH DEVELOPMENT®
FOR HEALTHY LIVING
FOR SOCIAL RESPONSIBILITY



WHAT IF...?

JULY 26, 2018
THE SHOW PLACE ARENA
Upper Marlboro, MD
www.ymcadc.org

24TH Annual YMCA THINGAMAJIG® INVENTION CONVENTION

2018 Invention Challenges

Young people have several weeks to plan, design and construct inventions using recyclable materials based on the following categories:

APP to Make It Better	Come up with an app that can solve a problem you find at home, at school or at camp.
Cool Ride	With your imagination as your engine, design and build the coolest self-propelled rolling vehicle using recycled materials.
Engineered with Paper	Using paper only, what really cool Eco-friendly invention can you make?
iCanPlay	Design an amazing play space, game or toy that allows everyone to have fun and to be safe.
Incredible Robots	Design an amazing robot that performs a task that helps to make the world better.
Made for Her	Solve one of your mother's, grandmother's, teacher's or someone significant biggest problem or challenge with your original invention.
Masterpiece Trash and Treasure	Let your artistic genius guide your masterful work of art from recycled materials.
Pet Exerciser	Pets need exercise too. Design a new device to exercise a pet.
Rube Goldberg Challenge	Design the zaniest, most elaborate Rube Goldberg contraption using all sorts of everyday stuff.
Smart Wearables	Design the next wearable device that is created to make a difference in the life of someone special.
Sound Off	Let there be music with your uniquely designed musical instrument, new beat or original song of the century.
Upcycled Thingamajig	Challenge your mind in the complex design of a brand new thing, created by combining existing objects to do something different.