STEM Challenges MMXX

MAKE:
UpCycling

CHALLENGE: This is an Earth Day Challenge. Using stuff you already have at your house repurpose it into something new. The materials used should be items from your recycling or things you were going to throw away, not new or unused materials. The goal is to design and build something that can be used repeatedly.

BIG IDEA: Earth Day is April 22nd every year. Earth Day is a holiday to raise awareness for our environment. Americans throw away almost 50% of the recyclable materials they purchase. Reducing, reusing, and recycling materials help to save the environment by using less water and producing fewer greenhouse gases. Upcycling is the creative reuse of materials that would otherwise be thrown away. Materials are redesigned into new products that are of higher quality than the individual parts and have value.

INSTRUCTIONS:

1. Collect your materials and think about what problem you want to solve? Do you want to make a toy or musical instrument? Do you want to create something that has a purpose, like a planter to grow plants or a bird feeder to attract birds?

2. Before you start building, brainstorm and sketch out some ideas for what you want to build.

3. Once you have built your upcycled item, test it out. For example, if you built a bird feeder, hang it outside. Does it attract birds? If you built a musical instrument, can you make a song with it?

WANT TO KNOW MORE?

tinyurl.com/STLrrr - Learn more about reduce, reuse, and recycle
tinyurl.com/STLnfp - Instructions to build your own newspaper flower pot

WE WANT TO SEE & SHARE YOUR CREATIONS!

Send us a picture or video by May 18, 2020 and be entered into a drawing for a gift card! Three ways to share:

1. Tweet us using the hashtag #aBitofSTEM
2. Text us at 314-285-9663
3. Use this google form and we'll show off your creation. Submit Here **(tinyurl.com/STLsubmit)**

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