



STEAM STARZ

STEAM @ Home

*Fall Leaf Crystals &
Nature Scavenger Hunt*



www.steamstarz.com

www.frugalfun4boys.com

Fall Leaf Crystals



STEAM Explanation:

Borax is a naturally occurring mineral. Like all minerals, Borax molecules arrange themselves into a repeating pattern, which creates the crystal shape. Each mineral has its crystal structure, which depends on the size and shape of the molecules.

Materials:

- 1 1/2 cups Borax
- Pipe cleaners – in fall colors
- Popsicle sticks
- String
- Glass jar
- Hot water
- Food coloring (optional)



STEAM Activity:

Step 1: Bend your pipe cleaners to look like leaves.

Note: The leaves must fit in the jar, so don't make them too big.

Step 2: Tie a piece of string to each leaf, then tie the other end to a popsicle stick.

Step 3: Bring 4 cups of water to a boil and stir in 1 1/2 cups of borax powder until it is dissolved.

Step 4: Have an adult help you pour some borax solution into a jar. Then, suspend the leaf in the jar.

Note: Make sure the leaf is not touching the sides of the bottom of the jar!

Step 5: Let the crystals "grow" in the jar overnight. The next day, the leaves will have crystals formed on them.

Name: _____

Date: _____

AUTUMN SCAVENGER HUNT

Get ready to explore the outdoors and discover the beauty of the fall season!



An orange leaf



An acorn



A pinecone



A feather



A mushroom



A squirrel



A tree branch



A squash



A hedgehog



A rake



A pumpkin



A scarecrow

- Always have an adult with you during the scavenger hunt.
- Avoid touching or picking up anything that seems unsafe.
- Respect the environment by not damaging plants or disturbing wildlife.
- Stay on designated paths and trails, and follow the rules of the area.
- Have a fantastic time exploring nature and celebrating autumn season!