

*It's time to*  
**Out Teach Science**

TRY THIS FUN LESSON:

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***Meet an Insect***

**MATERIALS:** Critter Container • Tweezers • Journal

**ACTIVITY:** • Go outside to explore and find insects.

- Once you have found an insect, carefully use your tweezers to place it inside your Critter Container.
- Observe your insect using the magnifier on the lid of your Critter Container.
- In your journal, draw a picture of your insect and label its parts.
- Once you are done, be sure to safely release your insect back to where you found it.

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TRY THIS FUN LESSON:

***Magnetism***

**MATERIALS:** Magnet • Journal

- ACTIVITY:**
- Go outside to explore. Label a T-Chart in your journal with the words “Magnetic” and “Nonmagnetic.”
  - Walk around your outdoor space and test different objects you come across to see if the magnet is attracted to the object. If the magnet sticks to the object, then record that on the Magnetic side of your chart. If it does not stick, then record that on the Nonmagnetic side.
  - What do the objects on the Magnetic side have in common? How are they different from the objects on the Nonmagnetic side?

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***Light Diffraction***

**MATERIALS:** Diffraction glasses • Journal    **SAFETY:** Do not look directly at the sun.

**ACTIVITY:** • Go outside to explore.

- Before you put your glasses on, write in your journal how you would describe the color of light we see from the sun.
- Now put on the diffraction glasses. What colors do you see now? Record all the different colors you see in your journal.
- The diffraction glasses break the sun's non-visible light into light we can see, much like rain does to sunlight to show the colors of a rainbow.

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TRY THIS FUN LESSON:

*UV Light*

**MATERIALS:** UV bead bracelet • Journal

- ACTIVITY:**
- Before you go outside, write down the color of your UV beads in your journal.
  - Go outside to explore. Record the changes to your UV beads in your journal. Why do you think this happened?
  - UV light is a component of sunlight that humans cannot see. These special beads can determine when UV light is present by changing colors.
  - Try some experiments with your UV beads. Put your UV beads in the freezer or cover half of them with sunscreen before you take them outside.

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TRY THIS FUN LESSON:

***Mighty Measurement***

**MATERIALS:** Measuring tape • Journal

- ACTIVITY:**
- Go outside to explore and find different plants or flowers to measure. Write down the names of the plants in your journal. If you do not know the name, describe them.
  - Measure the height of each plant and record the measurements.
  - Make a bar graph in your journal showing the different heights of the plants.
  - Use the bar graph to track the growth of your plants. Go back out every week for one month to measure and record again.

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***Plant Your Socks***

**MATERIALS:** Hand lens • Tweezers • Journal • Old socks

**ACTIVITY:** • Take your shoes off and go outside to explore in your socks!

- Now take your socks off and use your hand lens to observe your socks. List everything you see on the socks. Use tally marks to count the number of each thing you see.
- Take your tweezers and collect any seeds, or items you think might be seeds, off your socks. Plant them to see if they grow. Or, if you have permission you can even plant your socks!

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TRY THIS FUN LESSON:

***Properties In A Bag***

**MATERIALS:** Journal • Plastic zipper bag

- ACTIVITY:**
- Go explore your outdoor space. Using your plastic zipper bag, collect up to 15 small items.
  - Now take your bag back to an area where you can spread out your collection.
  - Sort your items into piles based on their physical properties. Examples: color, size, shape, hard, soft, smooth, rough, sink, float, magnetic, heavy, light, etc.
  - In your journal, list the objects and the properties they possess, or create a Venn Diagram showing one of your groupings.

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***Sediment Tubes***

**MATERIALS:** Two test tubes with lids • Pipettes • Journal • Popsicle sticks

**ACTIVITY:** • In your outdoor space, find two different areas where plants live.

- Use your popsicle stick to dig up a small amount of soil from the two different areas. Put both soil samples into different test tubes (fill about half full). Record what you see in your journal.
- Use your pipette and fill the other half of the test tubes with water. Put the lid on and shake. Stand up your test tubes and let them settle overnight. The next day, record what you see in your journal.