

Exploring New Worlds Materials List

Below is a list of materials needed for the Exploring New Worlds project-based unit. We have inserted the links to the exact item and where you can purchase them online knowing that many of these items are things you may already have in your classroom.

Item	Quantity per Pack	Each Student/Group Needs...	Notes
4 clear containers	N/A	1 set	Students will need 4 clear plastic or glass containers for the Oxygen Production investigation. Each container should be large enough to fit a single leaf. Students can complete the Oxygen Production investigation in groups or whole class based on your setting.
water	N/A	See notes	Students will need enough water to cover all four of the leaves in the Oxygen Production investigation.
4 different types of green leaves	N/A	1 set	Students will need 1 set of 4 different types of green leaves. If possible, have students collect the leaves themselves.
4 rocks (or other weights)	N/A	1 set	Students will need 4 rocks or other weighted objects to keep the leaves submerged in the water. The rocks should only cover a small portion of the leaves to allow students room for observation.
magnifying glass	10	1	Students will use a magnifying glass to observe their results in the Oxygen Production investigation.
thermometer	1	1	Students will need a thermometer for the Air Temperature investigation. Students can complete the Air Temperature investigation in groups or whole class based on your setting. (The link is for a digital thermometer, but any outdoor thermometer can be used).
scissors	N/A	1	Student scissors will work well for this project. Students can share.

split pins	100	3 per student	Students will need 3 split pins to make their model of the Sun-Earth-Moon system.
cardstock	75 sheets	3 pieces per student	Students will need 3 pieces of cardstock or other thick paper for the Gravity Art Challenge.
tempera paint	6 bottles (6 colors)	3-4 different colors to share	Students will need 3-4 different colors of paint to use for the Gravity Art Challenge. Students can share.
paint brush	10 brushes	1 per student	Students will need a paint brush for the Gravity Art Challenge. The paintbrush should be at least ½" wide.
eye dropper	8 eyedroppers	1 per student	Students will need an eye dropper for the Gravity Art Challenge. Students can share.
pom poms	90 pom poms	3-5 per student	Students will need 3-5 pom poms for the gravity art challenge. The pom poms should be at least 1 ½" thick.