



Second Nature - *Transportation*

Today we learned

Transportation is the movement of people and goods from one place to another. We learned that getting from place to place requires energy; bikes use energy that our bodies produce naturally, trains burn coal as a source of energy, and cars typically use gasoline as a source of energy.

Ask your child about the different types of transportation shown in the video, and have them think of a few types of transportation not shown in the video (scooters, taxis, trains). For each type of transportation, ask your child if they create zero emissions, or if they are considered public or private transportation.

Choosing what type of transportation we use is a very important decision because it directly affects the amount of pollution we create (our carbon footprint)! Along with the decisions that we make, trees help in reducing pollution! Trees use photosynthesis to breathe in dirty carbon dioxide and let out clean oxygen!

Now at home

Activity 1 - Zero Emission 3D Model

Talk to your child about transport options that don't produce any emissions (i.e. sail boats, bikes, and skateboard). Have a discussion about when each of these forms of transportation would be feasible to use.

Now make a 3D model of the type of transport that your child is most interested in. For example, a milk carton boat:

- Lay a milk carton on the side and carefully cut the top side away.
- Use a skewer or similar item to tape a "pole" to the side or back of your boat.
- To make a sail, cut a napkin or paper into a triangle, and tape it to your pole.
- Decorate the sides of the boat, the sails, and add a skipper!
- Take your boats to a body of water to race! Yes, this includes racing them in the bathtub!

Now at home

Activity 2 - Tree Identification

Discuss with your child about the importance of trees and how they are necessary in reducing carbon dioxide.

Take a walk down your street, head to your backyard, or look out a window and choose a tree to identify! Have your child identify some distinctive features, and use those features to search online. Alternatively, you can use resources like tree identification apps (i.e. iNaturalist) or the [NYC Street Tree Map Website](#).

To send us any photos, videos, or questions, email us at education@sproutup.org!

