

# 4-H Cloverbot Challenge: On the Move!

## 2020 Ohio 4-H Cloverbot Challenge

How do you get where you are going...a car, a bike, a skateboard or plane? When you are on the move, there are lots of ways to get you where you are going. The 2020 Ohio 4-H Cloverbot theme is all about transportation and exploring what helps us drive, fly, roll, or go!

## Explore

Cloverbud teams will learn about different types of transportation. As a team, narrow your list to one or two modes of movement. Ask:

- What kinds of transportation do you use and why?
- How are they different and how are they similar?
- What jobs are associated with transportation?
- How do you stay safe when using transportation?
- What does it cost to use what you've selected?
- How does it impact the environment?

## The Challenge

Use the answers to these questions to help you find the challenges and issues related to your selected method of transportation. Create a model showing your method in action.

## Example

The Cloverbuds in the Movers and Shakers 4-H Club select trucks as their favorite mode of transportation. But diesel trucks add to pollution, so they create a model of their solar powered trucks and a poster with other ideas.

## Challenge Guidelines

- ✓ Teams must have at least two, but no more than eight members. All participants must be 4-H Cloverbud members
- ✓ Models must be constructed in an area no larger than 15"x15". A baseplate is recommended, but not required.
- ✓ Any type and quantity of interlocking bricks (ie: Mega Bloks, LEGOS) may be used.
- ✓ Models must feature a moving part or simple machine (lever, wedge, incline, wheel and axel, pulley, screw).
- ✓ Poster must include team name and members' names. Use the poster to highlight the overall experience.
- ✓ Teams **must** be present at the Challenge on June 13, in order to receive a team certificate and individual medals.



*Ohio 4-H Cloverbuds explain their project, poster, and display to expert reviewers at the Challenge.*

## Glossary

**Transportation:** the process of moving things or people from place to place

**Mode:** a particular type, form or way of doing something; a kind of something

**Route:** the path that must be followed to get to a place

**Vehicle:** something used to move around goods or people, such as a car, truck or bus

**Travel:** when you go from one place to another, usually far away

**Goods:** things that are made or grown and then sold

## Let's Begin! Learn About Transportation

Below are some online resources you can use to help your Cloverbuds learn more about transportation:

Modes of Transportation List

<https://www.enchantedlearning.com/wordlist/transportation.shtml>

PreKinders

<https://www.prekinders.com/category/themes/transportation/>

KinderArt

<https://kinderart.com/blog/transportation-activities/>

Smithsonian

<https://www.si.edu/spotlight/transportation>

Flocabulary (Requires free 30-Day Subscription)

<https://www.flocabulary.com/unit/transportation/vocab-cards/>

Make sure to check [Pinterest](#) for some great ideas too!



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES



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## Timeline

### First meeting

- Explain the 4-H Cloverbot Challenge.
- Find out what children know about transportation.
- Facilitate an activity
- Distribute a parent handout explaining the Ohio 4-H Cloverbot Challenge. Include the dates of your meetings, field trip information, and the date, time, place of the event.

### Second meeting

- Facilitate an activity
- Review the Challenge Problem
- Brainstorm a list of project possibilities and select a focus

### Subsequent meetings

- Field trips
- Construct project model
- Create a project poster
- Continue activities



## Questions?

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## The Event

**Where:** Nationwide & Ohio Farm Bureau 4-H Center  
2201 Fred Taylor Drive, Columbus, OH 43210

**Date:** Saturday, June 13, 2020

**Time:** Teams will be divided into two time slots. Half of the teams will participate in the morning session and the other half will participate in the afternoon session.

## Team Registration

### Cost

There is no cost for clubs to register for the Ohio 4-H Cloverbot Challenge. Returning teams may utilize their kits from previous years. New teams may use their own interlocking blocks and base plates or may purchase a kit at half the cost. Thanks to the Ohio 4-H Foundation for their support of the Cloverbot Challenge!

**ALL TEAMS MUST REGISTER AT THIS SITE:**

**Deadline to register: May 1, 2020**

[go.osu.edu/20Cloverbot](http://go.osu.edu/20Cloverbot)

### ORDER A KIT

Teams needing a kit may order one at a reduced rate thanks to funding from the Ohio 4-H Foundation!

*Kit Includes:* a large brick set, a simple & motorized mechanisms set, a build to express set, and a base plate

*Reduced Kit Cost:* \$170 (maximum of 12 kits available)

*Order Deadline:* Checks must be received by **March 20** to receive a kit at the discounted rate.

*Make \$170 Check Payable To:* Ohio 4-H

*Send Checks To:* Ohio 4-H Cloverbot Challenge  
c/o Sally McClaskey  
2201 Fred Taylor Drive  
Columbus, OH 43210

*Include with Check:*

1. Club Name
2. County
3. Club Advisor Name
4. Contact Phone Number
5. Email Address

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For Deaf and Hard of Hearing, please contact Ohio State University Extension using your preferred communication (e-mail, relay services, or video relay services). Phone 1-800-750-0750 between 8 a.m. and 5 p.m. EST Monday through Friday. Inform the operator to dial 614-292-6181.