

# 4-H Cloverbot Challenge: When I Grow Up

## 2019 Ohio 4-H Cloverbot Challenge

A firefighter, a scientist, a teacher, an accountant, a farmer, a game designer, a veterinarian...what do you want to be when you grow up? The 2019 4-H Cloverbot Challenge is all about careers and learning what it takes to do that special job.

## Explore

Cloverbot teams will spend their time finding out about possible occupations. As a team, narrow your list to one or two similar careers:

- What is the demand for your chosen job?
- What skills are needed?
- Do you need to go to college or technical school? How long?
- What are benefits and why are they important to a job?
- Where do you do your job?

## The Challenge

Use the answers to one or more of these questions and find the challenges related to that profession, then create your model showing the occupation in action.

## Example

The Cloverbuds in the Helping Hands 4-H Club decided they all want to be veterinarians and zookeepers. Their model displays a zoo hospital and what it takes to keep the animals healthy and happy.

## 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 29, 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

**Career / Occupation:** the work a person chooses to do through life.

**Benefits:** money or objects that helps make someone's life better

**Work:** the things you do as part of your job

**Education/Training:** the things you need to learn in order to do your job

**Salary:** the money you earn for doing a job

**Skills:** the ability to perform a task due to training and experience

## Let's Begin! Learn About Career Exploration

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

Bureau of Labor Statistics

<https://www.bls.gov/k12/>

Kids Work!

<https://www.knowitall.org/series/kids-work>

Kid Info

<https://www.kidinfo.com/careers/careers.html>

Science Kids

<http://www.sciencekids.co.nz/sciencefacts/careers.html>

Career Exploration Guides and Resources

<http://www.khake.com/page64.html>



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES



OHIO4H.ORG

## Timeline

### First meeting

- Explain the 4-H Cloverbot Challenge
- Find out what children know about different careers
- 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 29, 2019

**Time:** Teams will be divided into two time slots. Half of the 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. (subject to Ohio 4-H Foundation funding)

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

**Deadline to register: May 1, 2019**

[go.osu.edu/19cloverbots](http://go.osu.edu/19cloverbots)

### 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

The College of Food, Agricultural, and Environmental Sciences (CFAES) and its academic and research departments including Ohio Agricultural Research and Development Center (OARDC), Ohio State ATI, and Ohio State University Extension embrace human diversity and are committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to age, ancestry, color, disability, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, sexual orientation, or veteran status. This statement is in accordance with U.S. civil rights laws and the U.S. Department of Agriculture. Cathann A. Kress, PhD, Vice President for Agricultural Administration and Dean

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.