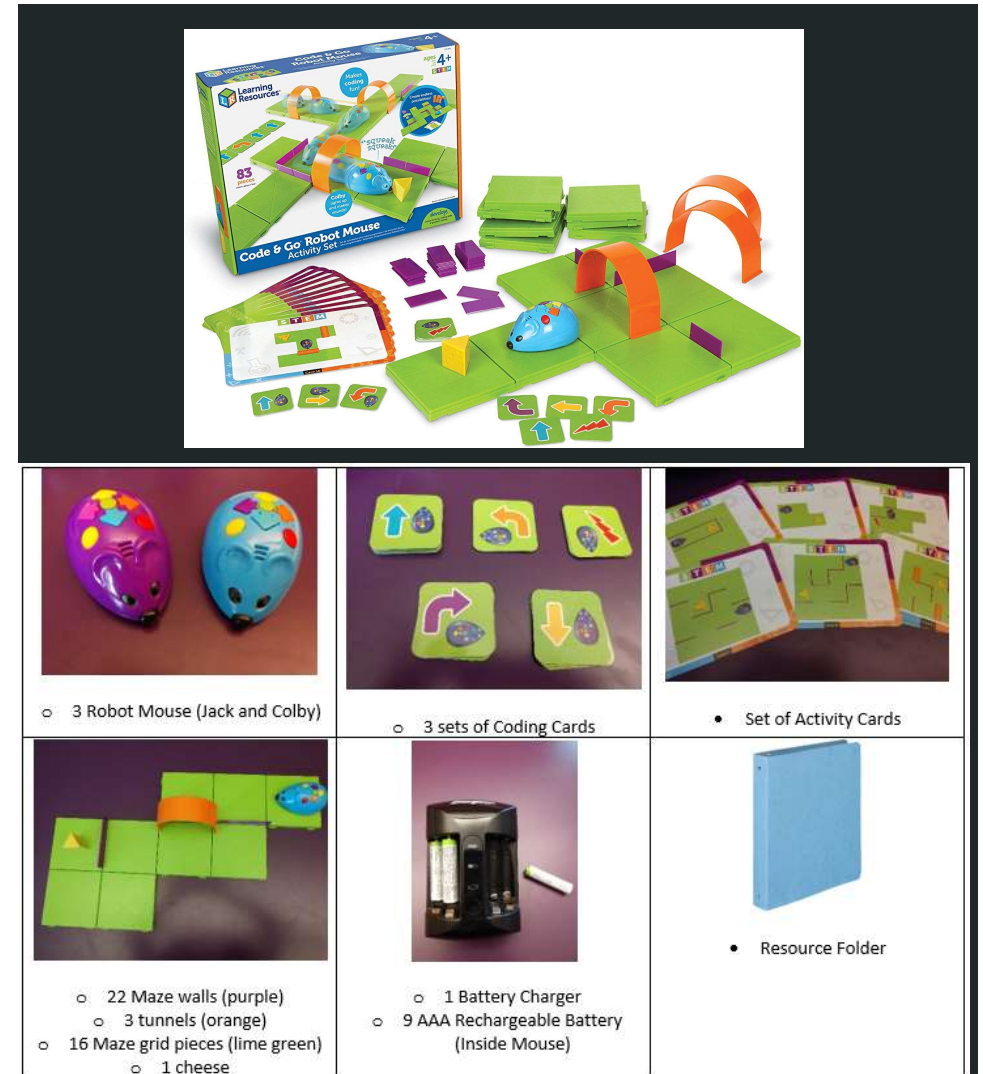


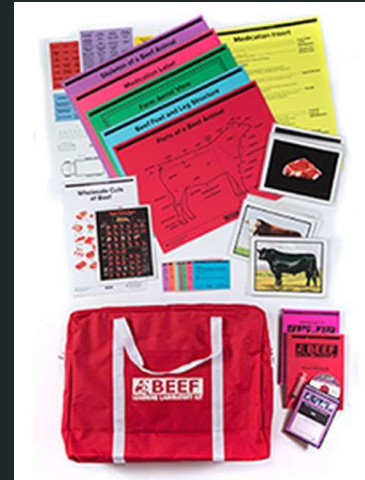
# Code-A-Mouse Kit

- **Project Area:** Computer Science
- **Ages:** 5-7 years old
- **Meeting Size:** 6 youth (share 3 robots)
- **Session Length:** 30+ minutes
- **What to submit at the conclusion of program:**
  - Project Leader Report



# Beef Kit

- **Project Area:** Beef Project
- **Ages:** 7+ years old
- **Meeting Size:** Any
- **Session Length:** 30+ minutes
- **What to submit at the conclusion of program:**
  - Project Leader Report

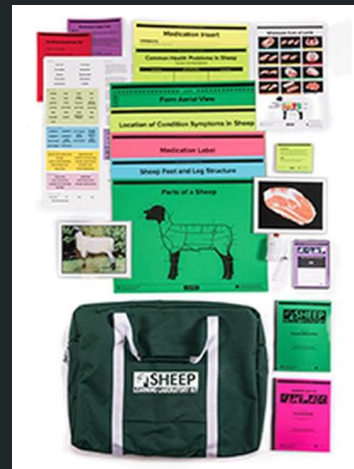


## Kit Contents:

- Hands-on introduction of agricultural, companion animal, and related topics through observing, communicating, organizing, comparing, relating, inferring, and applying knowledge and information.
- Learning stations that reinforce animal sciences and agricultural lessons on anatomy, conformation, breeds, equipment, plants, and plant parts, etc.
- Skillathon or quiz stations in which youth compete as they demonstrate their knowledge.
- Interactive team events that encourage youth to collaborate and cooperate.
- Exhibits and displays that help students start conversations and promote positive messaging about agriculture and animal science at public events.

# Sheep Kit

- **Project Area:** Sheep Project
- **Ages:** 7+ years old
- **Meeting Size:** Any
- **Session Length:** 30+ minutes
- **What to submit at the conclusion of program:**
  - Project Leader Report



## Kit Contents:

- Hands-on introduction of agricultural, companion animal, and related topics through observing, communicating, organizing, comparing, relating, inferring, and applying knowledge and information.
- Learning stations that reinforce animal sciences and agricultural lessons on anatomy, conformation, breeds, equipment, plants, and plant parts, etc.
- Skillathon or quiz stations in which youth compete as they demonstrate their knowledge.
- Interactive team events that encourage youth to collaborate and cooperate.
- Exhibits and displays that help students start conversations and promote positive messaging about agriculture and animal science at public events.

# Compound Microscope Kit

- This kit will support various project areas.
- **Ages:** 7 years old + (with support from an adult)
- **Meeting Size:** Variable
- **Project Length:** Variable
- **What to submit at the conclusion of program:**
  - Project Leader Report

**\*\*If you have never used a light microscope before, schedule a learning session with Ami\*\***



Thank you **Johnson County Extension Education Foundation** for sponsoring this kit!

**Compound microscope:** has two convex lenses. One lens is found in the eyepiece and the other is called the objective lens. Max magnification is often 1000x. Relies on light transmitting through the specimen so the specimen often needs to be thin.



Kit Contents:

- 200 piece prepared slides
- Light Microscope
- Suggested activities List



# Intro to Forestry Kit

- **Project Area:** Plant Science & Forestry
- **Ages:** 7+ years old
- **Meeting Size:** 5-10 youth
- **Project Length:** 30+ minutes
- **What to submit at the conclusion of program:**
  - Project Leader Report



- 4-H Forestry Curriculum & Helper Guide (4 books)



- Project Learning Tree Secondary Environmental Education Curriculum (2 books)



- A collection of 16 mounts of the diversity of trees across the U.S.



- Cross-section of a trunk and magnifying glass



- Discover 4-H Curriculum



- Resource Folder



Thank you **Johnson County Extension Education Foundation** for sponsoring this kit!



# Lego EV3 Kit

- **Project Area:** Computer Science
- **Ages:** 11-15 years old
- **Meeting Size:** 4 youth (share 1 robot)
- **Project Length:** 1+ hours
- **What to submit at the conclusion of program:**
  - Project Leader Report

**\*\*This kit has a learning curve. Chat with Ami to discuss options if your 4-H'ers are interested\*\***



 <ul style="list-style-type: none"> <li>○ Lego <u>Midstorms</u> Education EV3 Core Set</li> </ul>	 <ul style="list-style-type: none"> <li>○ Wooden block for challenges</li> </ul>	 <ul style="list-style-type: none"> <li>• Discovery Book</li> <li>• 4-H Curriculum Books (x2)</li> </ul>
 <ul style="list-style-type: none"> <li>○ Laptop &amp; charger with Lego <u>Mindstorm</u> App</li> </ul>	<p><b>Available Upon Request:</b></p>  <ul style="list-style-type: none"> <li>• Challenge Mat (150cmx240cm) with 30 cm grids</li> </ul>	 <ul style="list-style-type: none"> <li>• Folder 1: EV3 Lessons</li> <li>• Folder 2: EV3 Build Instructions</li> <li>• USB with lessons</li> </ul>

# Sphero Kit

- **Project Area:** Computer Science
- **Ages:** 7-11 years old
- **Max Meeting Size:** 10 youth (share 5 spheros)
- **Project Length:** 30 minutes+
- **What to submit at the conclusion of program:**
  - Project Leader Report

**\*\*First time users should schedule a 15min. learning session with Ami.**



 <ul style="list-style-type: none"> <li>○ 5 iPad Charging Bases</li> <li>○ 5 iPad Cords (white)</li> <li>○ 5 iPads (<b>Passcode: 7157000</b>)</li> </ul>	 <ul style="list-style-type: none"> <li>○ 1 Sphero Multi-Charger</li> <li>○ 5 Sphero Cords (Blue)</li> <li>○ 1 Sphero Charging Power Cable</li> </ul>	 <ul style="list-style-type: none"> <li>• 5 Spheros</li> <li>• 5 Sphero Charging Bases</li> </ul>
<p><b>Available Upon Request:</b></p>  <ul style="list-style-type: none"> <li>○ Cut pool noodles for creating floor mazes</li> </ul>	<p><b>Available Upon Request:</b></p>  <p>Space challenge mat</p>	 <ul style="list-style-type: none"> <li>• Lesson Plan Binder</li> <li>• Resource USB with Lessons</li> <li>• Sphero Challenge Cards</li> </ul>

# Stereo Microscope Kit

- This kit will support various project areas.
- **Ages:** 7 years old +
- **Meeting Size:** Variable
- **Project Length:** Variable
- **What to submit at the conclusion of program:**
  - Project Leader Report

**\*\*If you have never used a stereo microscope before, schedule a learning session with Ami\*\***



Thank you **Johnson County Extension Education Foundation** for sponsoring this kit!

Stereo microscopes are designed to provide low-magnification views of three-dimensional specimen like insects, plants, and rocks. They can also be used to inspect electronic components and other opaque objects

Kit Contents:

- Stereo Microscope

