Indiana 4-H Teens as Teachers 2021 offered via a hybrid/virtual concept including:

- Orientation webinars via Zoom:
  - February 9, 16, and 23
  - 7:00-8:00pm (EST)
- Track content:
  - February 27,
  - 10:00am-12:30pm (EST)
- Open to youth grades 8-11
- $35/youth; 1 adult mentor/team at no cost
- Registration due via 4-H Online by February 2 - contact your 4-H Educator for registration
Teens as Teachers is an opportunity for teams of 3-5 youth (grades 8-11) and one adult mentor to learn how to be teachers and subject matter experts of a topic of your choice. You’ll be equipped to deliver programs in your community. In addition to studying the subject matter you choose, you will learn basics of hands-on learning, ages & stages of youth development, public speaking, and lesson planning.

- Teens as Teachers will be held using a combination of virtual and in-person programming.
- 3 virtual, one-hour sessions will be held on February 9, 16, and 23, each from 7-8 p.m. (ET) - these are designed to give you the basics of how to be an effective teen teacher. You can join these sessions via Zoom from the comfort of your home.
- One morning session will be held on February 27, from 10 a.m. - 12:30 p.m. You will join together with your team for an in-person training facilitated by presenters joining you virtually. This session will focus on your subject matter of choice (see below for options). The in-person training will follow all safety protocols.
- Registration fee for the Teens as Teachers program is $35/youth participant. There is no registration fee for one adult mentor/team.
- Teams will register through their county 4-H Educator.
- Registration deadline is February 2, 2021.

Six different subject areas are available for teams to choose from in 2021. A description of each is below.

**Ag Innovators Experience: "Curbing Our Carbon Appetite Challenge"
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The carbon cycle impacts the entire population no matter their residence as we are all consumers of food and tangible goods. This program will focus on incorporating hands-on learning into 4-H Healthy Living and STEM Programs. Youth will participate in the "Curbing Our Carbon Appetite Challenge," an educational experience developed by a Land Grant University, focusing on the understanding of the carbon cycle, carbon sequestration, and the important role both the consumer and the producer have in contributing to a healthy, sustainable food supply to feed a growing world. The activity will have an agricultural basis that incorporates STEM skills, teamwork, communication and workforce development. Teen leaders will be trained and engaged to lead youth participants in the educational activity beginning in February 2021 and continuing through July 2021. Each team will receive a kit including materials and activities for youth in grades 3-8.

**Animal Biosecurity
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This program focuses on incorporating engineering design and maker activities into 4-H Animal Science Programs. This session provides an avenue for youth interested in learning about animals who do not have access to live animals, while also providing STEM learning opportunities for more traditional 4-H livestock members. Each team receives hands-on “maker” and robotics activities for youth in grades 3-8. Teams will also inform youth about where their food comes from throughout their training sessions.

**Computer Science
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This program will build off of past years' success with computer coding that was launched as Indiana participated in a grant funded by National 4-H Council and Google.

**Healthy Living
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This program will focus on social/emotional health and wellbeing. This session places emphasis on stress management through mindfulness-based activities to facilitate experiential learning. Teen teachers will be trained to implement healthy living programs in their communities using fun and creative methods.

**Teen Leadership
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The resources included in this program will enable teens to lead community-based activities designed to help their peers develop leadership life skills, leading to enhanced workforce development skills.

**Fluid Power
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The Fluid Power track introduce STEM concepts to high school students in a fun, exciting environment. Teens learn the basics of hydraulics and pneumatics in different applications and work in teams as they experiment and design their own unique machines to solve real world problems. Teens gain experience in hands-on learning, problem-solving, and teamwork. It also introduces them to careers in the fluid power industry. Teens will receive tools to teach others about hydraulics & pneumatics in real life applications.