**JA Community Coders™**

**Work and Career Readiness**

JA Community Coders is a single session that enables early elementary school students to see the importance of digital skills and jobs in the community. This STEM-focused session also allows students to explore and apply the basics of computer programming by participating in a hands-on coding activity.

**CURRICULUM OUTLINE**

**Warm-Up: Digital Tools and Skills**
Students review examples of digital tools and skills that workers may use in a community and are introduced to computer coding basics.

**Activity: Bots and Bugs**
Students explore coding and create simple code sequences. Activities are available at three different difficulty levels; educators should implement the activity level that is best aligned with students’ abilities and prior knowledge. Each activity provides a no-technology adaptation.

- **Introductory** – Students use commands to navigate a robot through a maze.
- **Basic** – Students translate a story about a robot into a sequence of commands.
- **Intermediate** – Students evaluate an existing program’s code to determine where the errors are. Then they look for ways to make the program more efficient.

**Wrap-Up**
Students discuss the ways in which digital skills and tools can benefit a community. Then they write a sentence about a digital skill they’d like to start using.

**LEARNING EXPERIENCE HIGHLIGHTS**

- Is appropriate for students in first through third grades.
- Can be delivered as a stand-alone learning experience or as a supplement to JA Our Community®, JA Our Families®, or JA Our City®.
- Introduces STEM and digital skills through a hands-on coding activity.
- Easily adapts for different options based on the learning environment for implementation, student access to technology, and students’ prior experience with technology.