

## **Lesson: Welcome to the Internet**

In this lesson, students will review what they already know about the Internet and how it works. Students will be asked to discuss both what they know and what questions they may have about the Internet and how it works. They will be introduced to a widget called “The Internet Simulator” that will help them explore the Internet and how it works.

### **I. Objective**

Students will be able to:

- Identify questions they have about how the Internet works.
- Use the Internet Simulator to communicate

### **I. Activities**

- What is the Internet?
  - Students will write into a journal answers to the following questions: What is the Internet? What questions do you have about how the Internet works? And share their responses.
  - In pairs the students will explore the Internet Simulator

### **II. Vocabulary**

- Internet
- Network
- Net Neutrality
- Internet Censorship

### **III. Planning Notes**

- Students should be given 10-15 minutes to write in their journals, if students are struggling, you can prompt them with questions to help guide them.
- The video normalizes students’ misconceptions about how the Internet works.
- Encourage students to pull from their own experiences using the Internet.

### **IV. Teaching and Learning Strategies**

- Starter: (5 mins) Ask students to start a discussion: How do you see people sharing digital data in the real world? Who would they share it with and why?
- Journal Activity: (35 mins) Students will answer journal questions for 20 minutes followed by a 15-minute discussion.
- Explore the Internet Simulator in pairs for 15 minutes.
- Closing: (5 mins) Watch the What is the Internet video starting at 1:30.

## **V. Related Computer Science Standards**

- CSTA K-12 Computer Science Standards – NI – Networks and the Internet