

How Does the Internet Work?

TOPIC: NETWORKING

GRADES: K-2

LESSON DURATION: 45 MINUTES

SOFT SKILLS: COMMUNICATION

Introduction:

- Sometimes students learn best from stories. This basic story was created to give students an introduction to how the internet works. Also included is a list of terms for the teacher to expand upon after the story. This story is suitable for lower elementary or anyone with no knowledge of how the internet works.

Learning Outcomes:

- Students will define networking.
- Students will demonstrate a basic knowledge of the workings of the internet as a means of mass communication and a network of connected users.
- Students will learn key networking terms while listening to a story about networking.

Materials:

- [How the Internet Works \(story\)](#)

Activities:

1. The teacher should explain that students will learn how the internet works. Before beginning the story, the teacher should ask students if they know how the internet works? How does google perform a search? What happens when we send an email? Gauge students background knowledge and then begin.
2. After the story, ask students about key technical vocabulary terms included on the last sheet. Discuss the terms and remind students how they apply to networking.
3. The teacher can follow this activity with a brief discussion on internet safety. Students will know have a general understanding of how data moves through a network. Highlighting key safety issues such as basic encryption, public v secure Wi-Fi, and the necessity of keeping some information private could occur. Having students list public v private information would be a great starting point.

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