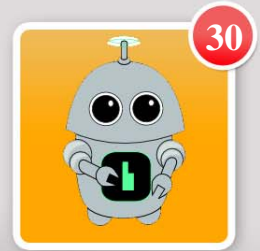




Preparation



Learning



Learn about the Internet using an Obstacle Course

Winning Resource!

DFE Computing Curriculum Subject Content Covered:

Key Stage 2 or 3 Subject Content—This could be adapted for different age groups:

- understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration (KS2)
- understand the hardware and software components that make up computer systems, and how they communicate with one another and other systems (KS3)

Resources and Preparation:

You will need a large space to create an obstacle course. This could be a school hall or field.

The obstacle course can be as imaginative as you like!

You will also need a sliced loaf of bread.

Lesson Outline:

The aim of the obstacle course is to get the full, completed loaf of bread to its destination.

The bread (data file) is split up into slices (packets).

The students take it in turns to take a slice of bread through the obstacle course and get it to the destination. They can take different routes if necessary. Timing them will add some fun to this task!

You could repeat this process to test if they can complete it any faster (find the best route).

FURTHER DEVELOPMENT:

Google “Georgian Woman Cuts of Internet” to find a news article about the Internet in Armenia being cut off for 5 hours. Discuss it with your class.

Discuss this map with the class <http://eightface.com/tag/maps/>

This lesson would best suit...

SEN/All/Gender Neutral

Resource Contributor/s:
Emma-Ashley and Team

