Daily Lesson Plan for: Sascha Simkanich

Course: 6th Grade Computer Science  Date: TBA  Length of Class: 46 Minute

Topic of Lesson: Internet Safety Flowchart and Alice Program (Day 4 of 8)

Essential Questions:
Essential Question 1: How are flowcharts used as a pre-planning document for computer programmers?
Essential Question 2: What are the steps taken in order to remain safe online?

Objective: Global learners will be able to:
- Write a flowchart to plan a program before coding
- Explain different current internet safety concerns for middle schoolers

Standards: NTERIM 2016 CSTA K–12 CS Standards 2-A-7-4
- Interpret the flow of execution of algorithms and predict their outcomes.
- Use a systematic process to identify the source of a problem within individual and connected devices (e.g., follow a troubleshooting flow diagram)

Procedure:
Warm-up/Preparation for Learning: (3 minutes)
1. Make a list of the shapes used when creating a flowchart and make sure to label the images

Instruction / Learning Activity: (40 minutes)
1. Review the internet safety Alice program flowchart project
2. Show an example flowchart and Alice world using decisions about internet safety
3. Students pick one internet safety topic
4. Review students needed to complete the project
5. Students begin to research and take notes on their internet safety topic in order to make an Alice program

Closure/Reflection on Learning: (3 minutes)
1. Tell your elbow partner one internet safety fact that you learned today from your research.

Methods Assessment
Students will turn in their research notes