Daily Lesson Plan for: Sascha Simkanich

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

Topic of Lesson: Alice Programming and Research (Day 5, 6, 7, 8 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
- Write an Alice program with a decision in regards to 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.

Procedure:

Warm-up/Preparation for Learning: (2 minutes)
1. Write one challenge you are having with Alice.

Instruction / Learning Activity: (42 minutes)
1. Continue researching internet safety topic
2. Write the paragraph about what your Alice program will be about
3. Write the flowchart for the Alice internet safety program
4. Program Alice internet safety decision program

Closure/Reflection on Learning: (2 minutes)
1. One challenge that you overcame in class today – it can be with research, writing a flowchart, or Alice programming

Methods Assessment
Students will turn in their research notes