

Computer Science Task 1: Creating and problem solving in Scratch

Your task is to create a program in Scratch that fits at least one of the following criteria:

- A video game
- A story
- Teaches, and/or is an extension of something you are learning in core classes

Within your project you must demonstrate

- A basic understanding of the block codes in scratch
- How a forever loop can be used
- How to use an if then statement
- How using a program like Scratch can be useful in school and/or outside of school
- The ability to think through problems
- Persistence
- Collaboration

Peer review/collaboration

- Every other period you will take 5 minutes and show what you are working on to another person or group. They will give you feedback and then they will show you what they are working on and you will give them feedback.

Assessment:

- We want to look at growth, problem solving and understanding. You can make this a complex or simple project. This may take you a few weeks or a few months. Use the rubric attached to see specifics, but just remember the key is growth, problem solving, and understanding

	Not meeting	Basic	Good	Excellent
Explores interests, passions, and skills while making connections to multiple occupational areas	The project was incomplete or rushed because of a lack of interest. The student did not use feedback in order to find an interest and develop skills, and struggles to see the usefulness of this computer program.	The project showed some interest in using the program. Some basic skills were developed and their is potential to further develop those skills with assistance. The student has a basic understanding of how this program can be used in other areas..	The project demonstrated interest and passion. The students skills grew and can continue to grow with some degree of independence. The student understands how this program can be used to in other areas of interest.	The project demonstrates a passion for computer coding. The student has developed skills that can now be developed independently. The student understand and will use this program in other areas of interest
Plans, creates, appraises, and communicates in response to challenges	The product created demonstrates a significant struggle to adapt to the challenges, communicate their understanding, and self assess their work on an ongoing basis.	The product created demonstrates a basic ability to adapt to challenges, communicate their understanding and self asses their work on a regular basis	The product created was mostly successful because of an ability to adapt challenges. Understanding was usually communicated and some self assessment improved the final product.	The final product was very successful because of a strong ability to adapt to challenges, communicate understanding and self asses for the purpose of improvement.
Works independently and with others while exploring careers and technology	The student struggles to persevere through problems, and collaborate with others.	Being able to effectively persevere, problem solve, and collaborate would have made the final product better.	Persevering, and collaborating improved the final product, while helping the student grow.	The student is a strong independent problem solver and an effective collaborator. There is significant growth.

