

Puyallup School District

STEM Showcase: Technology Project

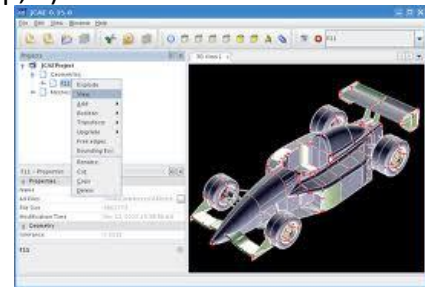
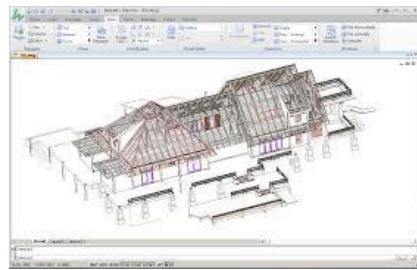
The participant in the technology category must create and/or design a project using computer technology. Participants will be responsible for supplying their own computers, laptops, and tablets to show their projects. These projects will be exhibited and participants must be able to share information about their projects and the processes in an oral presentation.

Possible entries might include:

Computer programming/coding (Scratch, Code.org,...)



Architectural/engineering designs (Tinkercad, Google Sketchup,...)



Digital storytelling



Movies (Microsoft Movie Maker, iMovie, etc.)



Puyallup School District

STEM Showcase: Technology Project Checklist

This is a checklist to help you plan/complete your technology project.

Checklist:

- Brainstorm a list of ideas for possible projects.
- Select a project from your brainstormed list.
- Decide on whether your project will be individual or group (4 people maximum).
- Think about what your final product is going to look like.
- Choose your software to work with for your project (Scratch, Tinkercad, Movie Maker, etc).
- Complete your project and record your process to share with the judges.
- Write your reflection on:
 - What went well with your project?
 - What were your challenges?
 - Explain if you were able to accomplish what you set out to complete.
 - What did you learn from this experience?
 - What other software might be relevant to your project that you might consider next time?
 - Identify any questions that you still have.
- Write your report on the process of the project to present to the judges.
- Practice for your oral discussion with the judges.

Puyallup School District

STEM Showcase: Technology Project Checklist

Grade:

Project Number:

Knowledge of the technology	Knowledge of the software is not evident. Information is confusing and incorrect. Includes few facts.	Knowledge about the software is evident. Most information is clear and correct, but some parts are confusing or incorrect. Includes essential information.	Knowledge about the software is clear and correct. Student is able to cover the topic completely and in-depth.	/3
Design	The final product is not clear.	The final product shows effort and creativity.	The final product shows mastery of the software.	/3
Originality	The final product is a collection of other people's ideas. There is no evidence of new thought or originality.	The final product shows evidence of original thought even though it is a large collection of other people's ideas.	The final product shows evidence of originality. The majority of the content and ideas presented are new, inventive, and interesting.	/3
Use of Technology	Not all parts of the technology was used effectively.	Some parts of the technology are used effectively.	All parts of the technology are used effectively.	/3
Teamwork (If applicable)	One or two students are able to demonstrate and present the final product.	Most team member are able to demonstrate and present the final product.	The work load was evenly divided and equally shared by all team members.	/3
Written Report	Answers some of the questions listed for reflections.	Answers most of the questions listed for reflections.	Clearly answers all of the questions listed for reflections.	/3
Presentation	Some difficulty communicating ideas.	Communicates ideas well with some key points.	Communicates ideas with enthusiasm and in-depth knowledge.	/3
Total Points (18 Points Possible or 21 for Team)				/21