



PPS MakerSpaces for OSBA

February 8, 2018

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Franklin@Marshall MakerSpace



- Over 1,000 students have utilized the MakerSpace in 16-17
- Due to popularity classes are being scheduled 2 weeks in advance

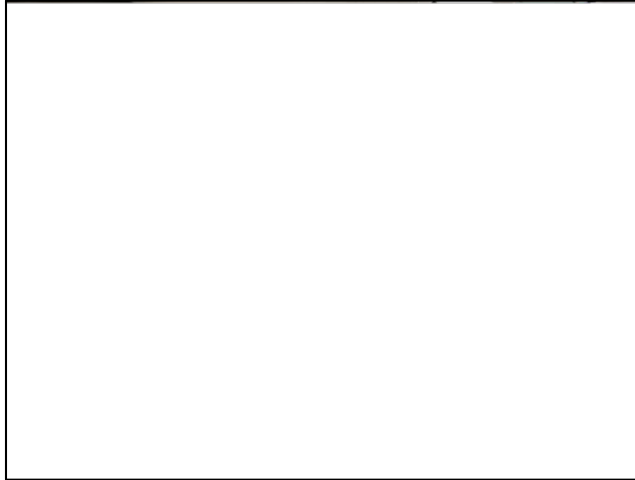
Classes and Project Examples from 16-17:

Geometry w/ Heavy 3D Printer Use, Latin American US History, Ceramics, SPED, Environmental Science, Language Classes, Stage Production, Culinary Arts



Roosevelt MakerSpace

- Over 900 students have utilized the MakerSpace in 16-17
- 17-18 is the second year of operation with brand new makerspace

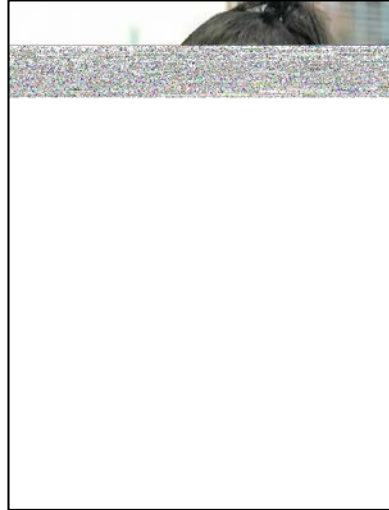
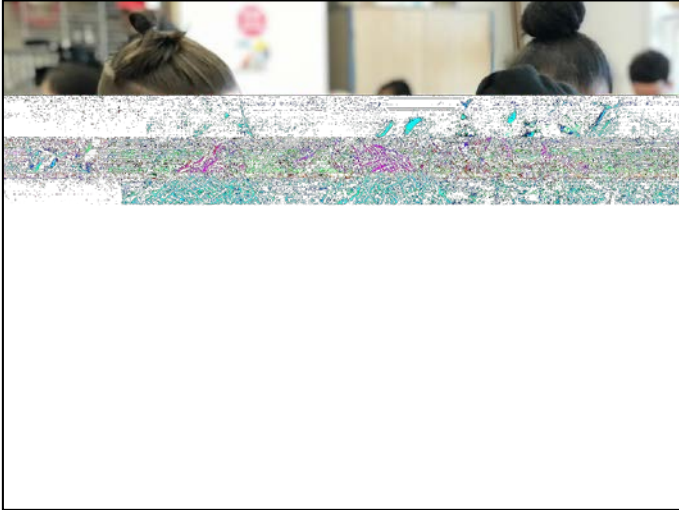


Classes and Project Examples from 16-17:

Physics - Guitars, Geometry - ADA Ramp Design, Chemistry - Atomic Apartments, Japanese - Chopstick Stands, AVID - Business Name Tags, SPED.



Faubion@Tubman MakerSpace



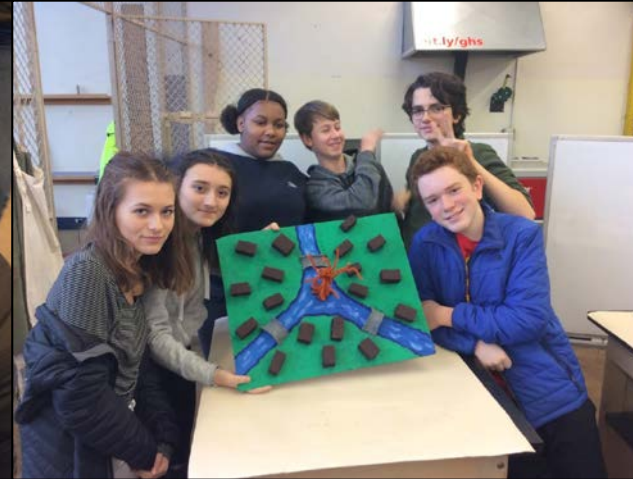
- Every student has had a maker learning experience in 16-17
- First full year of operation in new building for 17-18
- Serving Pre-K - 8th

Classes and Project Examples from 16-17:

Pre-K - 8th, All 2nd graders completed a space exploration unit, All Kinder doing animal environment units, Pre-K doing alphabet letter associated units, 3-8th - Light unit

Grant MakerSpace

- First year of operation with makerspace in their temporary school
- Many projects are underway
- Scheduling is weeks in advance

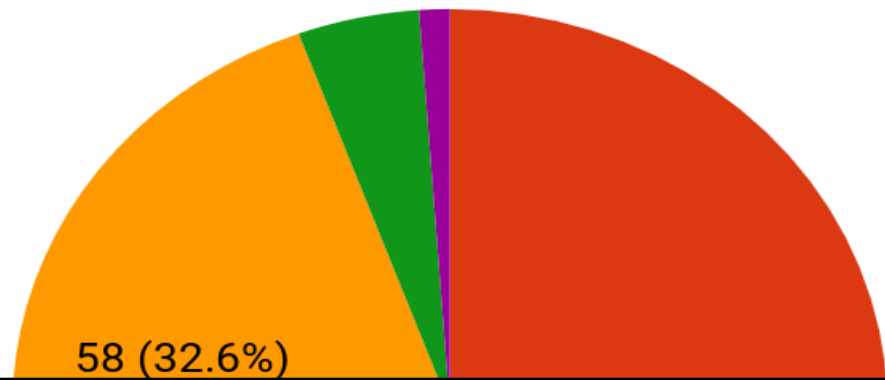


Classes and Project Examples from 17-18:

Health - Prosthetic Limbs, World History - Monuments, Chemistry - 3D Periodic Table, AP English - Black Lives Matter National Week of Action, Architecture - Model Homes



How Engaging was the project you just completed in the MakerSpace?

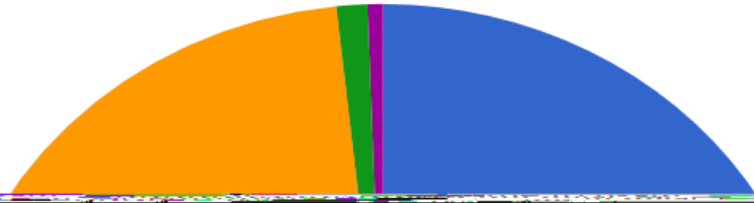


- The MakerSpace project was much more engaging than normal class sessions by this teacher
- The MakerSpace project was somewhat more engaging than normal class sessions by this teacher
- The MakerSpace project was not more

How enthusiastic are you about MakerSpace Projects?



Did the MakerSpace Project help you understand a new concept?



- The MakerSpace project made it much easier for me understand the new concept
- The MakerSpace project made it somewhat easier for me to understand the new concept

Student: What inspired you during the MakerSpace Project?

“We went from the bottom up creating new things as we went.”

- Franklin HS Student

“Seeing the laser cut wood made me want to make my piece of furniture as precise as that.”

- Roosevelt HS Student

“Seeing other people’s creations and having a wide variety of materials to use.”

- Grant HS Student

“There were a lot of resources and possibilities, which made me really excited.”

- Franklin HS Student

“It inspired me because I got the chance to take a shot at a world problem.”

- Roosevelt HS Student

“There were so many options on how to make our project better! When we finally came up with our idea it was so easy to make with all the equipment available.”

- Grant HS Student



Recent Teacher Feedback



“The variety of skills required for a good MakerSpace project draws in students who feel insecure/rejected by traditional academic projects. I have seen MakerSpace projects where you cannot distinguish between students with special needs and the general class population. MakerSpace hands-on draws out strengths and talents that may go unnoticed in a traditional classroom environment.”

-Franklin HS Teacher

“Students asked good questions about the designing of shapes and pushed their understanding of surface area and volume.”

-Franklin HS Teacher

“Thank you so much for this first project. I would love to work with you further about doing this again next year and how we can improve.”

- Grant HS Teacher

“I always like to have math more hands-on and to connect it to student lives as much as possible.”

- Roosevelt HS Teacher