

Boys as Makers Conference Presentations/Workshops: HV CAMPUS

8:45-10:00

From Design, to Model, to Product: Two projects made with Computer Assisted Design, (CAD)

US Art and Design teachers Enrique de la Mata and Rex Brodie with the assistance of their students lead participants through the steps of development in the lab and studio for projects within their class: A CAD One project, The Luminaire, and an Advanced CAD, the Laser-cut box. Follow the student as he progresses from concept, to prototype, to final product and learn about the advantages and the pitfalls from the teachers who everyday are developing state-of-the-art curricula with 21st C. tools.

Dept. of Visual Arts and Design Technology

Making Good Use of our Maker Space – The Balancing Act between Fine Arts ~ Applied Arts in FabLab Spaces

Work in the Cad Lab and Metals shop alongside two seasoned arts educators with experience spanning better than sixty years. Listen as they recount the collaborative process they utilized to create University School's state-of-the-art design and arts spaces, and a well-rounded curriculum to match. Then, engage as deeply as you like in the process of making a small Mobile from rod and sheet steel. What would Alexander Calder think? Roll up your sleeves, fire up the Plasma cutter, and let's do some welding!! Something for the observer and the participant to do.

Making Money – Learning Critical Life Skills Through Entrepreneurship

Matson Room: First Floor

The Young Entrepreneur Institute at University School is a recognized leader in youth entrepreneurship education. Over half our school's student body in grades 6 – 12 participates in our activities. At this session you'll hear from six of our young businessmen about their experience with our programs. The seventh grader (14 years old) has been in business for 2 years with his Hola Granola brand products. Two eleventh graders (16 years old) have teamed up to launch a line of men's fashion bracelets. The winning team of this year's Entrepreneur Cup business plan competition will talk about their cellphone app. You'll also learn how entrepreneurship education is a great way to connect with alumni and parents.

10:30-11:45

Small Fish, Big Politics

Come experience our trout hatchery with resident naturalist and bark canoe builder Terry Harmon. The hatchery, originally built with the help of students in the 1970's, has been an extraordinary resource for first graders discovering the wonder of animal reproduction all the way up to seniors doing advanced research on genetics. Hear the story of the US student who discovered a native species of brook trout, thought to be extinct, and the subsequent successful raising and stocking of local streams with the "Ohio brookie." The end of the story may surprise you! Wear your "sensible shoes" if you plan to choose this session.

"Design Thinking and the History Classroom"

History teacher Sam Thomas will provide a hands-on introduction to Design Thinking, and discuss how this method can be applied to courses in the humanities."

Opatrny Room: Third Floor

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Friday April 10

Action Based Research Presentations:

- ***How Does Making Improve Motivation?***
- ***Using Student Generated Blogs to Guide and Assess Maker Learning Experiences***
- ***Making Days***
- ***One More Step: An Epic Journey in Discovering the True Meaning of Rock and Roll***