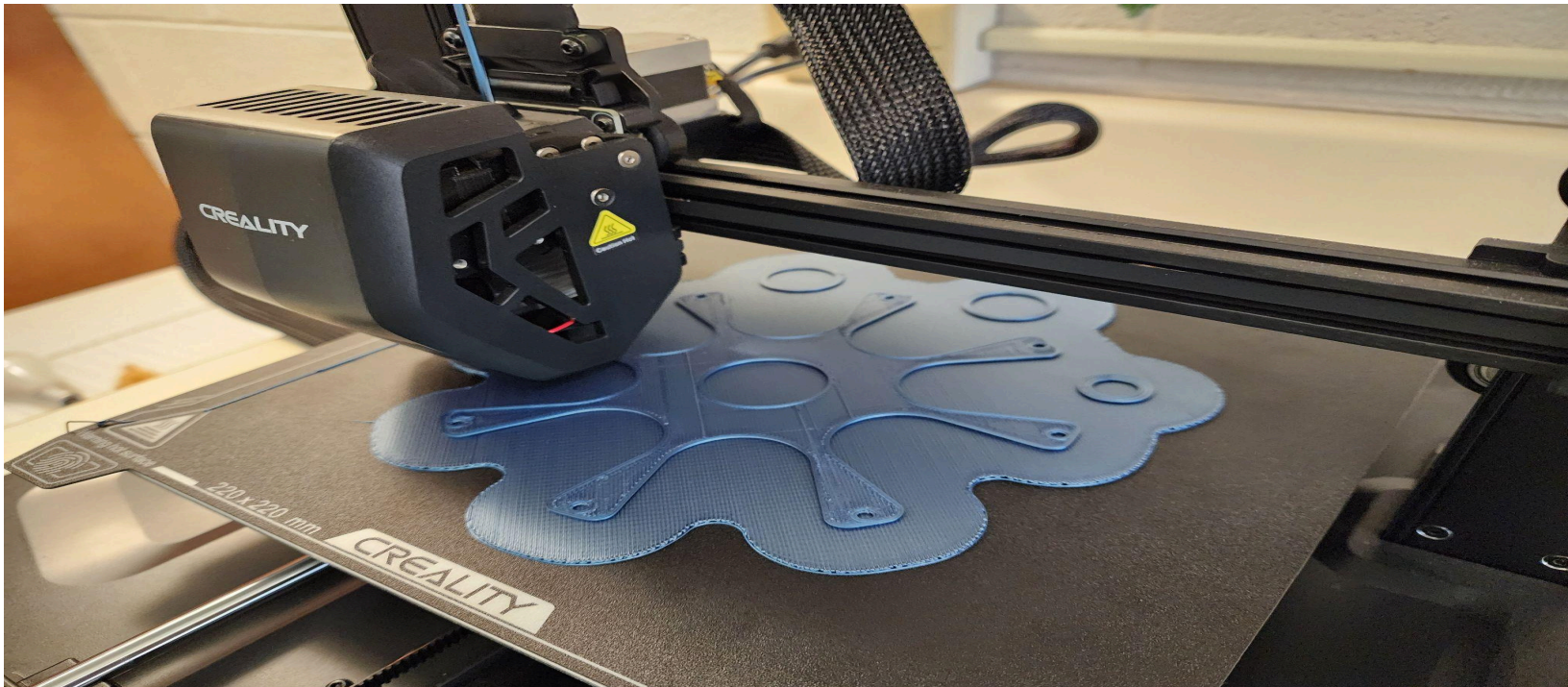


Tina Bickel

WBCEF Venture Grant Update

May 3, 2024

3D Printing at the West Branch School District

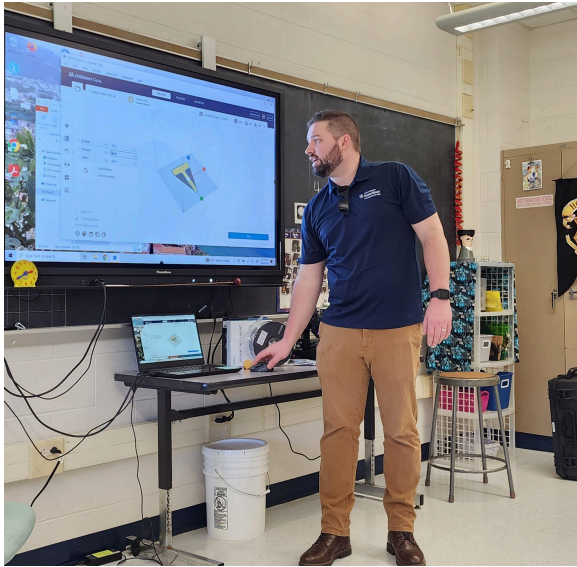


Gifted Support Students at West Branch Experience 3D printing

Thanks to the West Branch Community Education Foundation's yearly Venture Grants, the Gifted Support students received two 3D printers of varying size- a large, Anycubic Kobra Max, that is capable of printing objects as large as full-scale football helmets, and a Creality Ender 3 Pro, as seen in the image above. The grant also allowed the Gifted Support group to purchase 17 rolls of filament for the printers, which will be able to be used for multiple years!

Upon receiving the printers, the students and teacher, Mrs. Bickel, adjusted settings and navigated as well as they could via YouTube and other educational videos. Then, in the spring, a guest speaker, Mr. John Williams, head of the IDEA Lab at Penn State Dubois, gave a presentation to teach the students how to use the computer programs to format printing projects. Since then, students have been each choosing a project of their choice to print. So far, the results have been amazing!

Mr. John Williams, demonstrating how to use computer programs like Cura, Prusa and Blender, to create and format 3D printing projects:



A tenth grade student, Alexa Prestash, printed a self-watering planter for succulents and small plants. The gold piece, as shown in the printing process, is the insert where the plant and soil sit:

