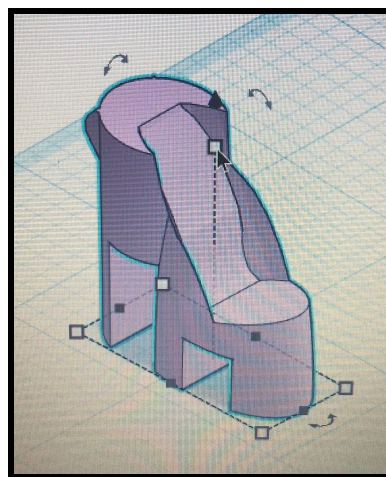


Chairman Owens and Committee Members, Good Morning! I'm Daphne Heid and serve as a Technology Project Lead and Math Teacher for Bismarck Public Schools as well as a co-STEM Teacher for the Central Regional Area Career and Technical Center.

As the math teacher for Bismarck Public School's Innovation Pathway students, I am in support of the changes for the math requirements of the CTE scholarship to be "One unit of Algebra II, Integrated Math II or Integrated Math III" in Senate Bill 2136. Within the Innovation Pathway, we are offering the students Integrated Math II & III. According to DPI, the corresponding MISO3 Course Code numbers are 11052 and 11053. The prerequisite for Integrated Math II is Integrated Math I or Algebra I and for Integrated Math III it is Algebra I and Geometry. I want to be clear. Integrated Math II and III are not watered down Algebra II or Geometry courses. The [DPI course descriptions](#) state that Integrated Math is meant to synthesize and generalize previous mathematical learning, including that of Algebra and Geometry. It also reiterates that, "*students appreciate the usefulness and relevance of math in the real world*".

For the visual learners in the room, here is some sample work from an Innovation Pathway student in Integrated Math II. Taylor is able to apply her solid background in Geometry and Algebra to a passion of hers. In this example, she has used the engineering design process to design (and redesign) a shoe using a CAD program and was able to print them on a 3D printer. Her understanding of both geometry and algebra has grown with every step of the process. "*What happened to the foot bed when you raised the heel? What happens to the foot bed when you change the shape of the toe bed? Does it impact the fit and why?*" These are a few of the deep mathematical conversations we have been able to have just within this project.



As a math & technology teacher with 25 years of experience in a variety of educational settings, I have realized that Algebra II is not necessarily the math that meets every student's needs. I am passionate about math and agree that three units of math should still be required, but some students are hoping to be a fashion designer, or own their own construction business or take over the family farm, therefore Integrated Math may better suit their long-term career goals.

In conversations with other CTE colleagues, counselors, and teachers throughout the state, many of us feel that this proposed change could encourage ***all*** students to take math that makes the most sense for them and their future... without worrying about how it will impact their eligibility for a scholarship.

Thank you for your time and consideration of support.