



INSTRUCTOR: MS. GRISMER

COURSE: MATH 3 HONORS



PROJECT SUMMARY



- Students will choose a Stone Circle to research. They will use Google Earth to get latitude and longitude coordinates. Using skills learned in Unit 1, they will find the circumcenter, which is the center of the circle. This will help them determine the equation of the circle. They will also highlight any other features of the stone circle that could represent other line segments within the circle, like chords and tangent lines. They will finally finish the project by creating a video that highlights the stone circle, including the history and any other interesting facts.

DRIVING QUESTION



- How can we research and analyze the geometry of a stone circle, and then apply mathematical principles to create an accurate equation that represents the shape and structure of the circle? And how can we use centers of triangles to assist us in this process?

SUSTAINED INQUIRY & AUTHENTICITY



- Student groups get to choose their stone circle and then they get to choose the interesting facts that will be included in their short video.

STUDENT VOICE & CHOICE WITH PUBLIC PRODUCTS



- Post posters around the school with a QR code with their final videos.

TEACHER REFLECTION



- Reflecting on the Stone Circle PBL project, I am incredibly pleased with how it turned out. The students really seemed to enjoy the process, and it was exciting to see them so engaged in both the mathematical and historical aspects of the project. What stood out to me the most was their creativity—whether it was in the design of their posters or the storytelling in their videos, they truly brought their ideas to life in unique ways.

STUDENT REFLECTIONS



- “My video creation capability increased, as this was the hardest part of the project.”
- “I grew from this project by focusing on my priorities and strengthening my time management. I also had to work on calming down when in a stressful situation, and although I had some difficulties with this, I believe that now I know what I was doing wrong and can change for the better.”

NOTED SKILLS GAINED



- TEAMWORK
- TIME MANAGEMENT
- STRESS MANAGEMENT
- CANVA

CHECK OUT MORE VMCCA PBLs BY SCANNING THE QR CODE

