

Unit: Functions

[Planning Map: Unit 8](#)

Standards: Math and Visual Arts

M:8.F.3 - Understand properties of linear functions.

[8th Grade Mathematics Standards](#)

VA:Cr2.1.8a - Demonstrate willingness to experiment, innovate, and take risks to pursue ideas, forms, and meanings that emerge in the process of art-making or designing.

[Visual Arts Standards](#)

Objective: Students will be able to create an image of a stained glass window with a series of linear and non-linear equations/lines and artistic features.

Resources:

[Stained Glass Window Assignment](#) (example and blank layout)

Stained Glass Window Rubric (coming soon)

Scavenger Hunt (2/14):

The included lesson plan is one that I am currently working to implement into my classroom, with the guidance and collaboration of the visual art teacher. Students have already learned how to graph linear equations, but have yet to discuss how some lines can be non-linear. To give a great representation of such an idea where lines can be seen, the Stained Glass Window Project will give students the freedom to create and be open to different types of lines available in the real-world and through art. It is a rare opportunity for time to allow such a project, but students are craving to be seen and heard. This project will allow students to show their creativity and mathematical understanding by developing an appealing window, with linear lines, non-linear lines, and artistic features, for all to see hanging on their lockers.