Data Visualization Best Practices Workshop Teacher Report

Name: Shannon Donovan

Area(s) of Teaching: any

Where You Teach: Scituate

Please describe your activity goal:

The goal of this activity is to create tools for teachers to use to track and report student data during team, department, or faculty meetings to identify needs and opportunities. In addition to informing our practice, this will help teachers become comfortable with these tools, so that in the future thy might have the courage to teach their students how to apply these tools, thus increasing student data literacy.

What is the intended visualization?

The intention is to provide teachers with a model for use in tracking student data throughout the school year to guide conversations with colleagues and parents. The goal is to get teachers comfortable with these tools, so that all are then comfortable coaching students in the use of more data analysis and visualization tools so we can help build a data literate society.

Please provide the activity wordings presented to the students:

This year as a faculty we have the goal bringing student data to all our meetings. These templates are provided as a guide. Once you are comfortable with this model, you may wish to customize it in collaboration with your team or subject area colleagues.

Please describe the nature of the activity (e.g. In class activity? Homework? Something else) and the rationale behind your choice.

The templates should be updated on a regular basis to inform practice and guide conversations with colleagues and parents on how to help students. We cannot fix what we cannot measure, so data needs to be a regular part of our conversations.

What is/are the dataset(s) that will be used for the activity? Teachers have access to their data through powerschool, but I am going to look into the possibility of writing SQL reports that yield data frames that can be loaded right into the dashboard. This would save the teachers a lot of time and make this goal actually achievable.

What tool(s) are going to be used?

We will use the free version of Tableau online available to educations upon request as this is more powerful than the free version of Infogram.

How you are going to grade the activity? (e.g. Rubric)

NA. However, as a school, we have set a goal to improve use of data to guide improvement.

Do you think you will keep incorporating data visualization in the future?

The goal of this is to normalize the use of more robust data analysis and visualization into our practices and that this will help more teachers be confident in engaging students in more data analysis and visualization.

Resources: