Daily Lesson Plan

Subject	Algebra 2	Date	
		Hour	
Unit	Statistics	Topic: Standard Deviation	
Goals *What should learners know and be able to do by the end of the lesson?*	Students will be able to: • Find the standard deviation for a set of data and analyze what it means in a real world context		
	Standards: • CCSS.MATH.CONTENT.HSS.ID.A.3 • CCSS.MATH.CONTENT.HSS.IC.B.6		

Summary of Task

Students will come into class and spend about 5-10 minutes attempting to do bellwork on their own and then we will go over it together as a whole class. Students will be looking at four categories: race, religion, sexual orientation, and disability. I will have half the class look at two, and the other half of the class look at the other two. They will fill out the table to find the standard deviation. After they have had a chance to fill out the table, we will fill out all four tables together as a class so everyone has the standard deviation for all the categories. Next, students will be asked to analyze their data. They will have to analyze if the standard deviation is close or far from the mean and what they believe has impacted those numbers. Using what they have seen in the media about the current society, I will have them think about what we as a community can do to decrease the number of hate crimes. Also, they will consider whether or not they believe the November 2016 Presidential Election will impact the number of hate crimes for each of these categories. After students have had time to individually reflect on these questions, we will have a whole class discussion about their answers.

Anticipated Misconceptions	Questions for Anticipated Misconceptions
• Where to round to (either a decimal or a whole number)	

Connections	Connections to Previous Lessons	Questions for Deeper Understandings
	• Understanding that the mean is the average for the set of data. • Outliers can skew the data	• When the standard deviation is small, what does it tell you about the data? What if the standard deviation is large?