Introduction to Data Science - North Salem High School

David Moste

Unit	Modeling in Data Science
Lesson	**Topic:** Unit Project **Content:** Unit Project
Learning Target(s)	I am able to use both linear regression and KNN regression to make predictions from a dataset. I am able to maximize the value of my parameters to create the best possible model given the dataset.
Standard(s)	*9-12.CT.1 Computational Thinking, Modeling and Simulation* *9-12.CT.2 Computational Thinking, Data Analysis and Visualization* *9-12.CT.3 Computational Thinking, Data Analysis and Visualization*
Accompanying Documents	Unit Project Unit Project Rubric
Homework	None!

Lesson Plan	
Warm Up	**5 mins**
Read through the unit project before we discuss the details.	
Lesson Body	**30 mins**
Unit Project: The unit project is a Kaggle competition in which students will predict the selling price of a home based on a group of 79 predictor variables. Students will work in pairs to code the unit project. When students have finished the coding portion, they will work individually on the paper portion of the project.	
Exit Ticket	**5 mins**
How do you feel about your progress on the unit project?	