



Dear Eighth Grade Families,

In Unit 12, students will work on the following eighth grade Common Core standards in the Statistics and Probability (SP) domain.

8.SP.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and non-linear association.
8.SP.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.
8.SP.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.
8.SP.4	Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.

Unit 12 Concepts:

- Scatter Plots
- Lines of Best Fit
- Interpret Slope & Intercepts
- Two-way Tables

Ask questions like these to help your child as a productive mathematical thinker:

- When is the substitution method best to use?
- How does graphing equations help you with solutions?
- What have you learned previously that will help you will these lessons?
- What is slope-intercept form?

Unit 12 Vocabulary:

- Scatter plot
- Positive & Negative Correlation
- Lines of Best Fit
- Observed & Unobserved Data
- Outliers
- Slope –Intercept Form
- Two-way table
- Frequency
- Categorical variable
- Quantitative variable

We encourage you to talk with your child daily about what was learned in math class.

Thank you for your support!

Need a review? Check out our lesson videos online!

swunmath.com/student-videos

If you don't know the class's special name, ask your child's teacher.