CCSS for Mathematics: Statistics and Probability	Elementary Statistics, Page Number
a. Fit a function to the data; use functions fitted to data to solve problems in the context of the data. *Use given functions or choose a function suggested by the context. Emphasize linear, quadratic, and exponential models.*	Using a Regression Line to Make a Prediction: Chapter 10, p. 693-694 Example 3, p. 694 Non-Linear Relationships: Chapter 10, p. 695 Example 4, p. 695-697 Example 5, p. 697-698 Practice 10-2, p. 702-703, 1-15
b. Informally assess the fit of a function by plotting and analyzing residuals.	Residual Plots: Chapter 10, p. 712 Example 2, p. 712-713 Example 3, p. 714
c. Fit a linear function for a scatter plot that suggests a linear association.	Regression Line Equation: Chapter 10, p. 689-690 Example 1, p. 691-692 Example 2, p. 692 Practice 10-2, p. 702-703, 6-15

Interpreting Categorical and Quantitative Data (S-ID)		
Interpret linear models	7. Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data.	*Statistics All Around Us: Use Statistics* Chapter 10, p. 694-695 *Exercising Care When Using Regression* Chapter 10, p. 698 *Applying the Concepts* 10-2, p. 701
	8. Compute (using technology) and interpret the correlation coefficient of a linear fit.	*Using Technology Correlation and Regression* Chapter 10, p. 704-708
	9. Distinguish between correlation and causation.	4

CCSS for Mathematics: Statistics and Probability		Elementary Statistics, Page Number
Make inferences and justify conclusions from sample surveys, experiments, and observational studies	3. Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.	Surveys: Chapter 11, p.756- 757, p. 761-763 Observational Studies: Chapter 1, p.28 Experimental Studies: Chapter 1, p. 29-30 Factors that Can Affect the Outcome of a Study: Chapter 1, p. 30-31 Drawing Conclusions: Chapter 1, p. 31-33 *Applying Concepts 1-4*, Chapter 1, p.36 Practice 1-4, p. 37, 7, 8

CCSS for Mathematics: Statistics and Probability	Elementary Statistics, Page Number
Understand independence and conditional probability and use them to interpret data (cont'd)	4. Construct and interpret two-

Use the rules of
probability to
compute
probabilities of
compound
events in a
uniform
probability model

Calculate

expected value

and the 11...(o)-1( )c -..-p..e(ec)1S1 c ...(...)-..MC d) 11 c ..mEMC E ifac f1 BDC 1 1 11 b p(C) (a)Q Q (