Learning Goals (I will):

- apply data management techniques to investigate the relationship between two variables
- demonstrate an understanding of the characteristics of linear relations
- connect various representations of a linear relation

Success Criteria (I can…):

- interpret the meanings of points on a scatter plot
- describe trends and relationships in data and make inferences from the data
- construct tables of value , graphs and equations to represent linear relations of realistic situations
- construct tables of value, scatter plots and lines or curves of best fit for data collected from a variety of sources
- identify properties of linear relations and apply these to determine if a relation is linear or non-linear
- determine the equation of a line of best fit
- determine the value of a linear relation using a table of values, the equation, or by interpolating or extrapolating from a graph
- describe a situation to explain the events illustrated on a graph (or draw a graph given a set of events)

Day	Lesson	Text Ref.	Assign. / Homework	Done (✓)
1	Sources of Data and Sampling Principles	2.1 2.2	Pgs 45 – 46 # 3, 4 Pgs 52 – 54 # 1ab,2ac,4abc,5 – 7, 9, 11, 14, 18	
2	Scatter Plots	2.3	Pgs 64 – 67 # 1 – 5, 8	
3	Trends, Interpolation and Extrapolation	2.4	Pgs 73 – 76 # 2 – 4, 7	
4	**QUIZ** Linear/Non-Linear Relations	2.5	Pgs 83 – 87 # 1 – 4, 6 10, 11	
5	Distance – Time Graphs	2.6	Pgs 91 – 93 #1 – 5, 6ab, 7, 8	
6	REVIEW		Pgs 95 – 97 # 1 – 13 Pgs 98 – 99 # 1 – 10	
7	**TEST**			