UNIT OF STUDY

Title: Unit 5 weeks	Subject/Course: SC Math		Length: 2
Topic: Data Interpretation and Probability D. Rye		Grade: 9-12	Designer:

UNIT GOALS AND EXPECTATIONS

IMPORTANT CONCEPTS/UNDERSTANDINGS	ESSENTIAL QUESTIONS:
- Apply concepts and skills to making a prediction. - Define a probability. - Define permutations. - Solve equations and graph the answers.	- What is a permutations? - How do you find the number of permutations and combinations? - What is probability? - How do you find the probability of compound events? - What are the possible outcomes in an experiment?
STUDENT LEARNING EXPECTATIONS: DIP.5.AI.8 Compute simple probability with and without replacements.	
SPECIFIC DECLARATIVE KNOWLEDGE – What I know - Vocabulary words: permutations, combination, at random, outcomes, event, probability, compound event, dependent events, - Distinguish between compound events and dependent events - Identify the how something is likely to happen.	SPECIFIC PROCEDURAL KNOWLEDGE – What I need to do - Apply ways of putting a group of objects in order. - Use a calculator to find the number of permutations and combinations. - Use concepts and skills to making a prediction.

UNIT ASSESSMENTS
(Include tasks related to Dimensions 3 and 4 and Bloom's Taxonomy)

Unit 5 Open Response (application)	
Traditional Assessments: • Unit 5 Test • Unit 5 Quiz	Other Evidence of Learning: • Classroom • Teacher Observation

ACTIVITIES AND LEARNING EXPERIENCES	Resources
• 4 Step Vocabulary • Model probability functions on board. • Games www.mathplaygroud.com . • Guided practice. • Student lead board work.	• Calculator • Activity worksheets • Portfolio workbook
Career Connections	
Business Owner, Data Collector, Statistician	