

Functions, Trigonometry, and Statistics McGraw Hill - Pacing Guide

Semester 1		
Functions		
Dates		Number of Days
August 17 - August 19 3 days	Chapter 1 – Functions and Relations - PreCalculus Book	
	1-3 Functions and Relations	2 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>	1 day
August 20 - September 10 15 days	Chapter 2 – Polynomial Functions - PreCalculus Book	
	2-1 Quadratic Functions and Applications	3 days
	2-2 Introduction to Polynomial Functions	3 days
	2-3 Division of Polynomials and the Remainder and Factor Theorems	4 days
	2-4 Zeros of Polynomials	3 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>	2 days
September 11 1 day	FIAB - Seeing Structure in Expressions/Polynomial Expressions	1 day
September 14 - October 2 15 days	Chapter 11 - Sequences, Series, Induction, and Probability - PreCalculus Book	
	11-1 Sequences and Series	4 days
	11-2 Arithmetic Sequences and Series	4 days
	11-3 Geometric Sequences and Series	4 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>	3 days
October 5 - November 2 20 days	Chapter 3 – Exponential and Logarithmic Functions - PreCalculus Book	
	3-2 Exponential Functions	4 days
	3-1 Inverse Functions	3 days
	3-3 Logarithmic Functions	4 days
	3-4 Properties of Logarithms	3 days
	3-5 Exponential and Logarithmic Equations and Applications	4 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>	2 days
November 3 1 day	FIAB - Create Equations: Linear and Exponential	1 day
Trigonometry		
November 4 - December 9 20 days	Chapter 4 – Trigonometric Functions - PreCalculus Book	
	4-1 Angles and their Measure	3 days
	4-2 Trigonometric Functions Defined on the Unit Circle	4 days
	4-3 Right Triangle Trigonometry	4 days
	4-4 Trigonometric Functions of Any Angle	4 days
	4-5 Graphs of Sine and Cosine Functions	5 days
December 15 - December 17	Final Exam	December 15 - December 17

Semester 2		
Dates		Number of Days
January 14 - January 28 10 days	Chapter 6 – Applications of Trigonometric Functions - PreCalculus Book	
	6-1 Applications of Right Triangles	2 days
	6-2 The Law of Sines	3 days
	6-3 The Law of Cosines	3 days

January 29 1 day	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
	FIAB - Geometry and Right Triangle Trigonometry		1 day
Statistics			
February 1 - February 17 11 days	Chapter 1 – The Nature of Statistics - Elementary Statistics Book		
	Essential Question: How can we accurately collect and describe data in a useful way?		
	1-1	Studying Statistics	2 days
	1-2	Variables and Types of Data	3 days
	1-3	Data Collection and Sampling Techniques	2 days
	1-4	Experimental Design	2 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
February 18 - March 1 8 days	Chapter 2 – Frequency Distributions and Graphs - Elementary Statistics Book		
	Essential Question: How can organize and represent data?		
	2-1	Organizaing Data	2 days
	2-2	Histograms, Frequency Polygons and Ogives	4 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
March 2 - March 12 9 days	Chapter 3 – Data Description - Elementary Statistics Book		
	Essential Question: How can we summarize data in a concise but meaningful way?		
	3-1	Measures of Central Tendency	3 days
	3-2	Measures of Variation	5 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		1 day
March 16 - March 24 7 days	Chapter 6 - The Normal Distribution - Elementary Statistics Book		
	Essential Question: What is a normal distribution, and how can we use it to determine the probability of events?		
	6-1	Normal Distributions	3 days
	6-2	Applications of the Normal Distribution	2 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
April 5 - April 23 15 days	Chapter 10 – Correlation and Regression - Elementary Statistics Book		
	Essential Question: How can we analyze whether two variables may be related?		
	10-1	Scatter Plots and Correlation	4 days
	10-2	Regression	4 days
	10-3	Coefficient of Determination and Standard Error of the Estimate	4 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		3 days
April 26 - April 27 2 days	FIAB - Statistics and Probability		2 days
April 28 - April 30 3 days	Performance Task - Teen Driving Restrictions		3 days
May 3 - May 28 20 days	Chapter 4 – Probability and Counting Rules - Elementary Statistics Book		
	Essential Question: How do we determine the probability of events?		
	4-1	Sample Spaces and Probability	4 days
	4-2	The Addition Rules for Probability	4 days
	4-3	The Multiplication Rules and Conditional Probability	3 days
	4-4	Counting Rules	3 days
	4-5	Probability and Counting Rules	3 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		3 days
May 3 - May 28	CAASPP Testing		May 3 - May 28
June 4 - June 8	Final Exam		June 4 - June 8

Extra Instructional Days

Closing the Unit Unit Review, Math Modeling, Unit Assessment, Performance Task, FIABs

Intervention Fluency Practice, Differentiation (small group lessons, ALEKS, personalized practice)