HONORS LESSON TOPICS

Here are the topics for the special challenge lessons included in the student text. You will find one honors lesson at the end of each regular lesson. The instructions are on the honors pages in the student text.

LESSON	TOPIC
01	Kinds of mathematics
02	Symmetry of graphs and equations
03	Interpolation
04	Factoring techniques
05	Using factoring techniques to simplify rational expressions
06	Trig applications
07	More trig applications
08	Bearings and headings
09	Navigation
10	More navigation
11	Proving cosine difference identity
12	Unit circle
13	Using trigonometry to find the area of a triangle
14	Rational roots test and the fundamental theorem of algebra
15	Synthetic division
16	More on the fundamental theorem of algebra
17	The remainder theorem
18	Vector applications - navigation and force
19	Graphs of common functions
20	Transformations of common functions
21	Inverse functions
22	More on natural log; the "most beautiful equation"
23	Continuous and discontinuous functions
24	Application of sine curve
25	Graphing calculators
26	Three-dimensional coordinate systems
27	Using series to find the natural log
28	Solving expressions with two inequality signs
29	Solving algebraic inequalities with quotients
30	Definition of the derivative