Curriculum Units and Learning Outcomes

Content Area: Honors PreCalculus	**Grade Level: 11 - 12**
Unit 12: Limits, Intro to Calculus	

Unit Summary: Limits are the first fundamental concept introduced in Calculus. Students will explore limits graphically and algebraically. Limit notation and evaluation are included.

Massachusetts Standards:
- No MA standards for Calculus

Enduring Understandings:
- Limits are the foundation of calculus
- Limits are defined as the y values that a function approaches at given x values
- Limits can be evaluated for continuous and discontinuous functions
- Limits can be found algebraically or graphically

Essential Questions:
- How do limits help in the understanding of how a function behaves at a point?
- How do limits help in the understanding of end behavior?
- How are limits useful in finding the instantaneous change in a function?

Students will demonstrate KNOWLEDGE of:	**Students will be SKILLED at:**
- Limit notation - Finding Limits - Limit Properties	- Writing limits using limit notation. - Finding limits by using a table, graph, or function

Estimated Duration: 2 weeks