Centerville Senior High School Curriculum Mapping
A.P. Calculus
1st Nine Weeks
Damon Anderson

Chapter/ Lesson	Indiana Standard(s)	Key Questions	Resources/Activities	Vocabulary	Assessments
1/2	C.LC.1	What is a limit?	1. Textbook 2. Graphing calculator 3. Fast Track to a 5 book	unbounded behavior	A. Homework B. Quizzes C. Tests
1/3	C.LC.2 C.LC.3 C.LC.4 C.LC.6	What is rationalizing?		direct substitution, indeterminate form, composite function, rationalize, vertical asymptote	
1/4	C.LC.7 C.LC.8 C.LC.9 C.LC.10 C.LC.11	What is continuity?		Discontinuity, greatest integer function, non-removable, existence theorems	
1/5	C.LC.5	What is an infinite limit?		Infinite limit	
2/1	C.D.1 C.D.2 C.D.10 C.AD.1	How does a tangent line and secant line differ?		Tangent line, derivative	
2/2	C.D.3 C.AD.1	What is the power rule?		Power rule	
2/3	C.D.4 C.D.8 C.AD.10 C.AD.11	What are the product and quotient rules?		Product rule, quotient rule	
2/4	C.D.5	What is the chain rule?		Quotient rule	

2/5	C.D.6 C.D.9	What is the difference between explicit and implicit differentiation?		Implicit differentiation	
2/6	C.D.7	What is an inverse function?		Inverse function	
2/7	C.AD.12	How are related rates used to solve real-life problems?		related rates	

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2nd Nine Weeks

Chapter/ Lesson	Indiana Standard(s)	Key Questions	Resources/Activities	Vocabulary	Assessments
3/1	C.LC.12 C.AD.4	What is a critical point?	1. Textbook 2. Graphing calculator 3. Fast Track to a 5 book	Absolute extrema, critical point	A. Homework B. Quizzes C. Tests
3/2	C.D.11	What is Rolle's Theorem?		Mean value theorem	
3/3	C.AD.3 C.AD.4	What is the difference between relative and absolute extrema?		Increasing, decreasing	
3/4	C.AD.5 C.AD.6	What is a point of inflection?		Concavity, point of inflection	
3/5	C.AD.7	How do you find a slant asymptote?		Slant asymptote	
3/6	C.AD.9	What is the difference between a primary equation and a secondary equation?		Primary equation	
3/7	C.AD.2	How do you find a differential?		differential	
4/1	C.AI.1	How do you find an indefinite integral?		antiderivative	

4/3	C.I.1 C.I.2 C.I.3 C.I.6 C.I.8 C.AI.7	What does a Riemann Sum find?		Riemann Sum	

Curriculum Mapping

A.P. Calculus

3rd Nine Weeks

Chapter/ Lesson	Indiana Standard(s)	Key Questions	Resources/Activities	Vocabulary	Assessments
4/4	C.I.4 C.I.5 C.AI.5	What is the difference between an indefinite and definite integral?	1. Textbook 2. Graphing calculator 3. Fast Track to a 5 book	Fundamental theorem of calculus	A. Homework B. Quizzes C. Tests
4/5		How do you find the displacement of an object?		Displacement	
4/6	C.I.7	How do you decide what to let u equal?		u-substitution	
4/7		What is a natural log?		Natural logarithm	
4/8		What is an inverse trigonometric functions?		Inverse trigonometric function	
5/1		What is a slope field?		Slope field	
5/2	C.AI.3	What is the decay model?		Growth and decay	
5/3	C.AI.2	How do you separate variables?		Separation of variables	
6/1	C.AI.4	How do you find the area between two curves?		Representative rectangle	
6/2	C.AI.6	What is the disk method?		Disk method	

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| 7/7 | | What is L'Hopital's Rule? | | L'Hopital's rule | |

Curriculum Mapping
A.P. Calculus
4th Nine Weeks

Chapter/ Lesson	Indiana Standard(s)	Key Questions	Resources/Activities	Vocabulary	Assessments
		Review for AP test.	1. Textbook 2. Graphing calculator 3. Fast Track to a 5 book		A. Homework B. Quizzes C. Tests