CURRICULUM NIGHT

LANGLEY HIGH SCHOOL
MATH DEPARTMENT

	Non-AP Calculus	AP Calculus AB	AP Calculus BC
Homework	Assigned daily. Expected time to complete: 1 hour	Assigned daily. Expected time to complete: 1-2 hours	Assigned daily. Expected time to complete: 1-2 hours
Reading Assignments		Assigned reading. Students are expected to read text for additional examples.	Assigned reading each class. Students are expected to read text for additional examples.
Textbook		College level book. Reading can be difficult.	College level book. Reading can be difficult.
Writing	There are free response questions. Student may have to justify answers in clear sentences.	There are free response questions. Student will have to justify answers in clear sentences.	There are free response questions. Student will have to justify answers in clear sentences.
Class Structure	Warm-ups, lecture/notes, in class practice problems.	Warm-ups, lecture/notes, in class practice problems.	Warm-ups, lecture/notes, in class practice problems.
Formula Memorization	Formula sheet NOT provided.	Formula sheet NOT provided.	Formula sheet NOT provided.
Projects & Activities	Projects and activities will be used throughout the year.	Complex, detailed 4th Quarter project covering multiple dimensions of content and requiring critical thinking on subject matter.	Complex, detailed 4th Quarter project covering multiple dimensions of content and requiring critical thinking on subject matter and strict adherence to the scientific method.
End of Course Assessment	Cumulative Final Exam. NOT PREPARED FOR AP EXAM	AP Exam in early May, 4 Quarter Project (post-AP Exam), and Cumulative Final Exam.	AP Exam in early May, 4 Quarter Project (post-AP Exam), two scores given Cumulative Final Exam.

	Non-AP Calculus	AP Calculus AB AP Exam May 5	AP Calculus BC- AP Exam May 5
Functions	✓	✓	✓
Limits and Derivatives	✓	✓	✓
Differentiation Rules	✓	✓	✓
Applications of Derivatives	✓	✓	✓
Normal Distributions		✓	✓
Integrals	✓	✓	✓
Application of Integrals	✓	✓	✓
Techniques of Integration	✓	✓	✓
Further Application of Integrations			✓
Differential Equations		✓	✓
Parametric Equations and Polar Coordinates			✓
Infinite Sequences and Series			✓
Topics Covered BY:	**June**	**March 30th**	**April 27th**

	Non-AP Calculus	AP Calculus AB	AP Calculus BC
Who should take this class?	• Solid math grades (B or higher) • Self motivated • Independent • Great work ethic • Great time management skills • Willing to work through challenging problems • Can handle the demanding nature of a rigorous math course	• Solid math grades (B/B+ or higher) • Seeks a challenge • Self motivated • Independent • Great work ethic • Great time management skills • Able to manage lengthy and demanding assignments. • Willing to work through challenging problems • Can handle the demanding nature of a rigorous math course • Able to learn math at a quick pace	• Successful completion of Honors PreCalculus (B/B+ or higher) • Seeks a challenge • Self motivated • Independent • Great work ethic • Great time management skills • Able to manage lengthy and demanding assignments. • Willing to work through challenging problems • Can handle the demanding nature of a rigorous math course • Able to learn math at a quick pace