



AP Calculus BC

Weeks of 01/05 – 01/09

Due Dates

1/8 – Unit 7.1

1/9 – Differential Equation
Circuit

1/12 – Unit 7.2 Part 1

1/13 – Unit 7.2 Part 2

Upcoming Assessments

1/21 – Semester 1 Final

2/10-2/11 Units 7 and 8
Test

<p>Monday: Unit 7.1 – Differential Equations</p>	<p>LT: I can verify solutions and find general and particular solutions to a differential equation.</p> <p>In class:</p> <ul style="list-style-type: none"> • Bell Ringer • Go through the 7.1 part 1 notes • Classwork: Whiteboard • Exit Ticket <p>Homework: Finish the 7.1 video and notes</p>
<p>Tuesday: Unit 7.1 – Exponential Growth and Decay</p>	<p>LT: I can apply differential equations to solutions that represent exponential growth or decay.</p> <p>In class:</p> <ul style="list-style-type: none"> • Bell Ringer • Questions from rest of the 7.1 video • Classwork: pg. 158-159 #2-16 even • Exit Ticket <p>Homework: none</p>
<p>Wednesday: Differential Equations</p>	<p>LT: I can verify solutions and find general and particular solutions to a differential equation.</p> <p>In class:</p> <ul style="list-style-type: none"> • Bell Ringer • Classwork: Differential Equations Circuit • Exit Ticket <p>Homework: none</p>
<p>Thursday: Unit 7.2 – Slope Fields</p>	<p>LT: I can represent general solutions to a differential equation on slope fields.</p> <p>In class:</p> <ul style="list-style-type: none"> • Bell Ringer • Questions from the first half of the 7.2 video. • Classwork: pg. 165 #1-11 all (use pg. 167) • Exit Ticket <p>HW: Finish the 7.2 video and notes</p>

	Friday: Unit 7.2 – Euler’s Method	LT: I can estimate y values using Euler’s method on differential equations. In class: <ul style="list-style-type: none">• Bell Ringer• Classwork: pg. 166-167 #12-14, 15-29 odd• Exit Ticket HW: Watch the 7.3 video and take notes
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“I’ve always enjoyed mathematics. It is the most precise and concise way of expressing an idea.”— N.R. Narayana Murthy