



# Class: AP Calculus AB

## Unit 8: Applications of Integration

### 3/16 to 4/15

Monday 3/16	-8.1 Average Value of a Function on an Interval -8.1 Notes in Class -Pg 329 #55-60 all, 63,65,68 -HW: Watch 8.2 Video and Fill In Notes
Tuesday 3/17	-8.2 Position, Velocity, and Acceleration Using Integrals -8.2 Big 10 Skill Builder Worksheet -HW: Watch 8.3 Video and Fill In Notes
Wednesday 3/18	-8.3 Using Accumulation Functions and Definite Integrals in Applied Contexts -8.3 Stations in Class -HW: Watch 8.4 AND 8.5 Videos and Fill In Notes
Thursday 3/19	-8.4 Area Between Curves (with respect to x) -8.5 Area Between Curves (with respect to y) -8.4-8.5 Practice Problems on Whiteboards -HW: Watch 8.6 Video and Fill In Notes
Friday 3/20	-8.6 Area Between Curves with More than Two Intersections -8.4-8.6 Skill Builder Worksheet -HW: Watch 8.7 AND 8.8 Videos and Fill In Notes
Monday 3/23	-Cross Sections: Squares and Rectangles -Cross Sections: Triangles and Semicircles -8.7-8.8 Worksheet -HW: Watch 8.9 Video and Fill In Notes
Tuesday 3/24	-8.9 Disc Method: Revolving Around the x or y Axis -Pg 425 #2,3,4,7,13a,14b,40,41 -HW: Watch 8.10 Video and Fill In Notes
Wednesday 3/25	-8.10 Disc Method: Revolving Around Other Axes -Pg 425 #13c, 14d, 28,30
Thursday 3/26	-8.9-8.10 CA #1 Worksheet -Start 8.9-8.12 Worksheet (Due on Friday 4/10)
Friday 3/27	-Make Up Work -Math Challenge Problem
Monday-Friday 3/30 to 4/3	-No School -Spring Break! *Don't forget to study for the ACT 😊
Monday 4/6	-ACT PREP -HW: Watch 8.11 Video and Fill In Notes

Tuesday 4/7	-8.11 Washer Method: Revolving Around the x or y Axis -Pg 245 #6,13b,14a,34
Wednesday 4/8	-ACT No regular classes today
Thursday 4/9	-8.12 Washer Method: Revolving Around Other Axes -8.12 Notes Together In Class -Pg 245 #13d,14c,19,23,32,44,46,48,50,54
Friday 4/10	-8.9-8.12 Skill Builder
Monday 4/13	-Unit 8 Review
Tuesday 4/14	-Unit 8 Review
Wednesday 4/15	-Unit 8 Test *All Unit 8 Assignments Due Today!