

## AP Calc BC Unit 4 Calendar, Mr. Felling, 2026-2027

|                                               |                                                                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Week 9                                        |                                                                                                                                     |
| M 9/14                                        | 4.1 Antiderivatives w/ shortcuts                                                                                                    |
| T 9/15<br><horizon test math>                 | Grade 9,10,11: take Horizon practice math ACT on laptop<br>Grade 12: makeup Unit 3 part 2 test if missed or work time for homework. |
| W 9/16                                        | 4.2 Riemann sums and definite integrals (rect. and trapezoid)                                                                       |
| Th 9/17                                       | 4.2 day 2                                                                                                                           |
| F 9/18                                        | 4.3 Fundamental Theorem of Calculus (definite integrals)                                                                            |
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| Week 10                                       |                                                                                                                                     |
| M 9/21                                        | 4.4 Fundamental Theorem of Calculus (SPAM, displacement vs. total distance)                                                         |
| T 9/22                                        | Review                                                                                                                              |
| W 9/23<br>(Josten's presentation for Seniors) | Review                                                                                                                              |
| Th 9/24                                       | <b>** Unit 4 Part 1 Test **</b>                                                                                                     |
| F 9/25                                        | Make up day                                                                                                                         |
|                                               |                                                                                                                                     |
| <b>FALL BREAK</b>                             |                                                                                                                                     |
|                                               |                                                                                                                                     |
| Week 11                                       |                                                                                                                                     |
| M 10/12                                       | Teacher workday                                                                                                                     |
| T 10/13                                       | 4.5 Integration by u-substitution                                                                                                   |
| W 10/14                                       | 4.5 day 2                                                                                                                           |
| Th 10/15                                      | 4.6 Integration using Algebra                                                                                                       |
| F 10/16                                       | 4.7 Integration by Parts                                                                                                            |
|                                               |                                                                                                                                     |
| Week 12                                       |                                                                                                                                     |
| M 10/19                                       | 4.7 day 2                                                                                                                           |
| T 10/20                                       | 4.8 Trig Integrals                                                                                                                  |
| W 10/21                                       | 4.9 Trig Substitution                                                                                                               |
| Th 10/22                                      | Review day for 4.8 and 4.9 – work homework problems                                                                                 |
| F 10/23<br>(assembly)                         | 4.10 Partial Fractions introduce the algebra procedure                                                                              |
|                                               |                                                                                                                                     |
| Week 13                                       |                                                                                                                                     |
| M 10/26                                       | 4.10: Partial Fractions                                                                                                             |
| T 10/27                                       | 4.11 Improper Integrals                                                                                                             |
| W 10/28                                       | 4.11 day 2                                                                                                                          |
| Th 10/29                                      | Review                                                                                                                              |
| F 10/30                                       | Review                                                                                                                              |
|                                               |                                                                                                                                     |
| Week 14                                       |                                                                                                                                     |
| M 11/2                                        | <b>** Unit 4 Part 2 Test – day 1 **</b>                                                                                             |
| T 11/3                                        | <b>** Unit 4 Part 2 Test – day 2 **</b>                                                                                             |