**Tentative Multi/DEQ 3rd Quarter Schedule**

**2023--2024**

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| DAY # | DATE | TODAY’S TOPIC | Assignments |
| Week 1 | 1/8 | Teacher in-service |  |
|  | 1/9 | 1.1 What’s a DiffEq? | 1-17 odd |
|  | 1/10-11 | 1.2 Solutions and Initial Value Problems; The Differential Equation Road Map | 1-25 eoo |
|  | 1/12 | 1.3 Direction Fields | 1-17 odd |
| Week 2 | 1/15 | MLK Day No School |  |
|  | 1/16 | 2.2 Separable Equations | 1-9 odd, 13-21 odd, 29 |
|  | 1/17-18 | 1.1-2.2 Practice Problems |  |
|  | 1/19 | Ch 1 Quiz |  |
| Week 3 | 1/22 | 2.3 Linear Equations | 1-15 odd, 19, 23 |
|  | 1/23 | 2.4 Exact Equations | 1-13 odd, 17-29 odd |
|  | 1/24-25 | 2.5 Special Integrating Factors | 1-17 eoo |
|  | 1/26 | 2.6 Substitutions and Transformations | 1-41 eoo |
| Week 4  | 1/29 | Practice Problems |  |
|  | 1/30 | Practice Problems |  |
|  | 1/31-2/1 | Ch 1 & 2 Test |  |
|  | 2/2 | 3.2 Compartmental Analysis | 3-19 odd |
| Week 5 | 2/5 | 3.3 Heating and Cooling of Buildings | 1-15 odd |
|  | 2/6 | Dane and Nolan’s and Noah and Sky’s coffees |  |
|  | 2/7-8 | 3.2 and 3.3 practice |  |
|  | 2/9 | Ch 3 Quiz |  |
| Week 6 | 2/12 | 4.2 General Solutions of Homogeneous Linear Equations | 1-33 eoo |
|  | 2/13 | 4.3 Auxiliary Equations with Complex Roots | 1-29 eoo |
|  | 2/14-15 | Practice problems |  |
|  | 2/16 | 4.4 Method of Undetermined Coefficients for Nonhomogeneous Equations | 1-33 eoo |
| Week 7 | 2/19 | President’s Day No School |  |
|  | 2/20 | Quiz 4.2-4.4 |  |
|  | 2/21-22 | 4.5 The Superposition Principle | 1-37 eoo |
|  | 2/23 | 4.6 Variation of Parameters | 1-17 odd |
| Week 8  | 2/26 | 4.7 Variable Coefficient Equations  | 1-17 odd |
|  | 2/27 | Practice problems |  |
|  | 2/28-29(Leap Year!) | Practice problems |  |
|  | 3/1 | Ch 4 test  |  |
| Week 9  | 3/ 4 | Ch 4 test |  |
|  | 3/5 | Begin 4th Qtr material |  |
|  | 3/6-7 | Begin 4th Qtr material |  |
|  | 3/8 | Last day of 3rd quarter! |  |