**Physical Geology Course Schedule**

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| **Wk** | **Lecture Topic** | **Lab Exercise** | **TMYN Assignments** |
| 1 | Intro  Plate Tectonics |  | Intro to TMYN Website |
| 2 | Plate Tectonics | Plate Tectonics | Density  Unit Conversions |
| 3 | Minerals | Minerals |  |
| 4 | Igneous Rocks  Volcanoes | Igneous RX |  |
| 5 | Weathering  Sedimentary Rocks | Sedimentary RX |  |
| 6 | Metamorphic Rocks  Tectonic Rock Cycle | Metamorphic RX |  |
| 7 | Test 1 | Lab Practical I |  |
| 8 | Earthquakes  Earth's Interior | Earthquakes Epicenter/Magnitude Earthquakes and Subduction Boundaries | Trigonometry (Subduction angle)  Graphing (All) |
| 9 | Geo Structures | Structural Geology |  |
| 10 | Geologic Time | Relative and Absolute Dating | Graphing (Reading Points) |
| 11 | Test #2 | Field Trip |  |
| 12 | Mass Wasting  Running Water | Intro to Topo Maps | Trigonometry (slope angle)  Slope & Topographic Maps  Unit Conversions |
| 13 | Groundwater  Shorelines | Topo Maps (Rivers, Groundwater, Shorelines) | Rates (groundwater flow)  Unit Conversions |
| 14 | Glaciers | Glacial Surface Features | Rates (glacial retreat)  Unit Conversions |
| 15 | Deserts  Climate Change | Rates of Climate Change (Human Population, Sea Level, Temperature) | Graphing, Rates (as evidence of Climate Change) |
| 16 | Natural Resources | Lab Practical II (Including TMYN concepts) |  |