**The Rest of the Year Schedule**

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| May 1/2 | | Finish labs/SA 27.1, 27.2, 30.1, 30.2 | |  |
| May 3/4 | | Introduction to the websites for research | |  |
| May 8/9 | | Organize Oaks Park/Websites | |  |
| May 10/11 | | Work on Oaks Park/Websites/Extravaganza | |  |
| May 12 | | **Oaks Park Oaks Park Oaks Park Oaks Park Oaks Park Oaks** | |  |
| May 17/18 | | Prep for the Extravaganza/Websites | |  |
| May 19/22 | | Prep for the Extravaganza/Websites | |  |
|  | | **Relativity** | |  |
| **A/B** | | Class | | Due on this class |
| **1** May 22/23 | | -The Michelson-Morley experiment  -Einstein's Gedanken  -The two postulates of Special Relativity  -Time Dilation  -The Twin Paradox and relative time  -Length Contraction and 4-D space-time  -Mass Dilation and the ultimate speed limit of the Universe | | **Read:** 26.1-6 |
| **2** May 24/25 | | -Simultaneity  -Mass and energy: Relativistic kinetic energy  -Relativistic addition of velocities  -Energy-momentum relationship | | **Read:** 26.7-11  **Practice:** Worksheet 26: 7-13, 20, 22-25, 28-31 |
| **May 25** | | Extravaganza  (3:30 - 5:30 Setup in the commons)  6:00 - 7:00 in the commons  7:30 to 8:30 in the auditorium with Rhys | |  |
| **3**  **May 26/30** | | -General relativity  -Principle of equivalence  -Curved space  -Black holes and the Schwarzschild radius | | **Read:** 33.4  **Practice:** 26: 1, 4(69.1 Ly), 7, 8(0.436c), 13, 14(0.887 c), 26(0.866c), 28(2.23×10-9 J, 6.46 × 10-18 kg m/s), 29, 31, 43, 46(0.65c), 48(0.70c) |
| **4** May 31 June 1 | | Work on problems: (See Check #1 and #2)  -Time, length, mass  -Relativistic addition of velocities  -Energy and energy momentum | |  |
| **5** June 2/5 | | Summative Assessments:  **26.1 - Special Relativity**  **26.2 - Energy and General Relativity** | |  |
| **9**  **June 6/?** | | SAs back  Retakes?  Finish stuff up | |  |
| **10**  **June 7/8** | | **IB Physics II party!!!!!!**  - Awards ceremony  -slide show  -BBQ | |  |
| **June 8** | | Senior Assembly - Senior's last day 😐 (for me) ☺ (for you) | |  |
| Two Formative/Summative assessments   * 26.1 – Special Relativity * 26.2 – Energy and General Relativity | | Handouts:   * This Syllabus * FA26.1 * FA26.2 * NoteGuide-01-01SpecialRelativity * NoteGuide-02-01SpecialRelativityII * NoteGuide-03-01GeneralRelativity | | |