**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 commons7:30 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 backRetakes?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
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