**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** | In Class | | Due on this class | | If You miss this class: |
| **1** May22/23 | -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  -Hand out FA26.1 | |  | | **Read:** 26.1-6  **Watch:** Videos A, B, C, F |
| **2** May24/25 | -Simultaneity  -Mass and energy: Relativistic kinetic energy  -Relativistic addition of velocities  -Energy-momentum relationship | | **Check:** Worksheet 26.1: 1-10 | | **Read:** 26.7-11  **Watch:** Videos G, H, I |
| **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  -Hand out FA26.2 | | **Check:** Worksheet 26.1: 15-18  **Check:** Worksheet 26.2: 2-6 | | **Read:** 33.4 |
| **4** May31June 1 | Work on problems:  26.1: 7, 8, 9, 19, 20, 21  26.2: 7, 9, 10, 11, 12, 14  Work on FA 26.1, FA26.2 | | **Check:** Worksheet 26.2: 20-27 | |  |
| **5** June2/5 | Summative Assessments:  **26.1 - Special Relativity**  **26.2 - Energy and General Relativity** | | **Turn in:** FA 26.1, FA 26.2  **Turn in:** 26.1: 1-10, 15-18, 7, 8, 9, 19, 20, 21  **Turn in:** 26.2: 2-6, 20-27, 7, 9, 10, 11, 12, 14 | | |
| **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   Two homework problem sets  26.1: 1-10, 15-18, 7, 8, 9, 19, 20, 21 /40 pts  26.2: 2-6, 20-27, 7, 9, 10, 11, 12, 14 /38 pts | | | | | Handouts: | |