**Integrated Physics and Chemistry Parent Guide**

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| Integrated Physics and Chemistry students will study a variety of topics that include: force, motion, energy, and matter as they apply to both physics and chemistry. Students will ask questions, plan and conduct investigations, and explain phenomena using appropriate tools and models. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation. Texas Essential Knowledge and Skills for IPC [§112.44. Integrated Physics and Chemistry, Adopted 2021](https://texreg.sos.state.tx.us/public/readtac%24ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=19&pt=2&ch=112&rl=44) |
| 1st 6 Weeks:Introduction to Science/Safety – Interactive Science NotebooksGraphing and Analyzing MotionMomentum in CollisionsThe Four Fundamental Forces | 4th 6 Weeks:Renewable EnergyElements and the Periodic TableUsing Properties of Substances |
| 2nd 6 Weeks:The Four Fundamental ForcesGravity and ElectromagnetismSeries and Parallel Circuits | 5th 6 Weeks:Atomic Emission SpectraInvestigating Reaction and Solution RatesChanges in Chemical ReactionsBalancing Reactions |
| 3rd 6 Weeks:Generating ElectricityConservation of EnergyTransferring Energy and Information | 6th 6 Weeks:Balancing ReactionsNuclear ReactionsChemistry’s Impact on the Environment |

**Questions?** Please contact your course science teacher.