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Description automatically generated**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$ext.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 Notebooks  Graphing and Analyzing Motion  Momentum in Collisions  The Four Fundamental Forces | 4th 6 Weeks: Renewable Energy  Elements and the Periodic Table  Using Properties of Substances |
| 2nd 6 Weeks: The Four Fundamental Forces  Gravity and Electromagnetism  Series and Parallel Circuits | 5th 6 Weeks: Atomic Emission Spectra  Investigating Reaction and Solution Rates  Changes in Chemical Reactions  Balancing Reactions |
| 3rd 6 Weeks: Generating Electricity  Conservation of Energy  Transferring Energy and Information | 6th 6 Weeks: Balancing Reactions  Nuclear Reactions  Chemistry’s Impact on the Environment |

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