Current Events for Physics

Unit	Topic(s)	News Stories
Introduction to Physics	Scientific method, units of measurement, and data analysis	Physics in space exploration Climate research Technological advancements
Kinematics	Motion, velocity, acceleration, and graphing motion	Sports science (e.g., analyzing athlete performance through motion studies) High-speed transportation advancements
Dynamics	Forces, Newton's laws of motion, and applications	Engineering safety features in cars (e.g., airbags, crash tests) Robotics
Energy	Work, kinetic and potential energy, conservation of energy	Renewable energy sources Battery technology Energy efficiency in transportation
Momentum	Impulse, momentum, and collisions	Innovations in protective sports gear Transportation safety improvements
Circular Motion and Gravitation	Centripetal force, planetary motion, and gravitational forces	Space exploration missions, satellite launches Research on gravitational waves
Thermodynamics	Heat transfer, temperature, and laws of thermodynamics	Climate change Extreme weather events Advancements in sustainable heating and cooling systems
Waves & Sound	Wave properties, sound waves, and resonance	Seismic activity Noise pollution Technological innovations in sound engineering
Light & Optics	Reflection, refraction, and optical technologies	Advancements in laser technology Fiber optics
Electricity	Electric fields, circuits, and Ohm's Law	Advancements in electric vehicles Renewable power grids Energy storage
Magnetism	Magnetic fields, electromagnetism, and technological applications	Applications of magnetic levitation in transportation Innovations in MRI and other medical technologies
Modern Physics	Quantum mechanics, relativity, and atomic theory	Particle physics discoveries Quantum computing Space-time research