



Summer Science Learning Activities

Empowering Every Learner Every Day



High School Summer Science Learning Guide



Biology

- Review cell structure and function.
- Explore genetics, ecosystems, and biological processes.
- Conduct observations of local ecosystems.
- Research current biotechnology advancements.



Environmental Science

- Investigate conservation and sustainability practices.
- Track environmental changes in your community.
- Study renewable and nonrenewable resources.
- Explore climate and human environmental impact.



Chemistry

- Review the periodic table and chemical reactions.
- Practice balancing equations and identifying elements.
- Explore chemistry through cooking and mixtures.
- Investigate acids, bases, and solutions.



Physics and Physical Science

- Explore motion, speed, and force through real-world examples.
 - Investigate energy transfer and simple machines.
 - Study waves, electricity, and magnetism.
 - Conduct engineering and design challenges.
 - Investigate matter, atoms, and energy.
 - Explore forces and motion using hands-on activities.
 - Examine physical and chemical properties.
 - Observe energy transformations in everyday life.sch
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