

PARENT A GLANCE

Find out what your child is **learning** and how to **help**.

Subject	Biology	Chemistry	Environmental Systems	Integrated Physics and Chemistry	Physics
Ideas students are learning	Investigate and identify Cellular Processes and interpret the functions of systems in organisms.	Identify common elements and compounds in symbol and name; Law of Conservation of Mass	Students will investigate changes over time within a small ecosystem.	Atomic structure; symbols and names of elements; valence electrons and how they function in bonding.	Newton's Laws; the measurement and calculation of force, work and power.
Skills	Students will conduct safe lab investigations.	Students will conduct safe lab and field investigations, recognize elements by symbol, and count atoms in formulas.	Students will conduct safe field investigations; research ecological implications.	Students will conduct safe lab and field investigations, recognize elements by symbols, draw atom model.	Students will conduct safe lab and field investigations; make accurate and precise measurements.
Work and assignments to look for	Lab entries in science notebook, KWL charts, poster projects on body systems.	Entries in science notebook, Conservation of Mass Lab, Element Quiz, Chemical Formula and Chemical Equation Wksht.	Entries in science notebook, student presentations on threatened or endangered species.	Entries in science notebook, Element Quiz, atomic models, and Chemical Formula Lab.	Entries in science notebook, data represented graphically, Buckle Up and Going Nuts Labs.
Questions Parents Can Ask	What is a cell? Why do cells carry out cellular respiration? How does the structure of a cell relate to its function?	State the Law of Conservation of Mass. What is the formula for carbon monoxide. "N" is what element?	What are some changes over time that occur within a small ecosystem? How is your research going?	What are the subatomic particles and where is each found? What is the symbol for carbon, calcium and potassium?	State Newton's 2nd Law in formula. If you graph the motion of a car for 10 minutes, what quantity is on the X axis?
Special Notes	Ask your student if you can look at their science lab journal as often as possible.	Students need to practice the names and symbols for the first 30 elements. These need to be memorized.	Ask your student if you can look at their science lab journal as often as possible.	Students need to practice the names and symbols for the first 30 elements. These need to be memorized.	Students need to practice drawing graphs and reading them as well.