

***Washoe County School
District***

***Supplemental Family
Guides to Learning
At Home***

Eighth Grade

***Activities to support your
child with the standards***



English Language Arts

- Discuss events going on in the community, in our nation, or around the world. Encourage your child to research solutions to issues in school or the community in order to be informed about how to address common concerns.
- Visit the University of Nevada, Reno; Truckee Meadows Community College; or other local college or career college campuses. Begin talking about your student's interests after high school and his or her choices early. What does your child expect from college? What high school courses will your child need to pass to prepare for college?
- Have your child find information on the Internet related to what they are learning in school.
- Encourage your child to create digital content, and share it with friends and family through tools like a personal blog.
- Monitor your child's use of social networking sites and reinforce the proper netiquette. Remind them of their digital footprint and what it can mean for their future college or career options.

Mathematics

- Talk with your child about applications of algebra and how they can relate to daily life.
- Discuss with your child how the Pythagorean Theorem $a^2 + b^2 = c^2$ is applied by people in some careers, such as carpenters, architects and pilots.
- Look with your child for uses of data in magazines, in newspapers, and on television. Talk about situations in which data might be collected to help represent information using mathematical models, such as tables and graphs.
- Point out examples of graphical displays and ask your child questions about the information shown.
- Encourage your child to use digital tools and apps that support development of mathematical concepts and skills.

Algebra 1

- Identify ways in which algebra is used in everyday life.
- Describe fees involving memberships or contracts that include a flat fee plus additional costs for extra services.
- Find a newspaper article that provides the results of a statistical study and discuss and describe the results.
- Look up car pricing in the newspaper. Work with your teen to determine the actual cost of the car including the monthly payment, insurance, and gasoline.
- Ask students to explain their reasoning on the mathematics they use in class and on assigned work.
- Encourage your child to use digital tools and apps that support development of mathematical concepts and skills.

Social Studies

- Discuss the importance of culture and how it impacts history.
- Discuss current events and historical reasons for the emergence of these events.
- Attend different cultural events in the community.
- Read and discuss the technological advances in society.
- Read the news (in both print and digital formats) and discuss political cartoons.
- Explore museums related to Nevada history.
- Explore Nevada historical and popular tourist sites.
- Listen to the news, and follow events using digital and social media and discuss United States interactions with other countries.

Science

- Encourage your child to observe, ask questions, experiment, find information online, and seek their own understandings of natural and human-made phenomena around them.
- Find an online or print article about a scientific discovery and summarize what it tells you.
- Practice chemistry in your kitchen by mixing baking soda with vinegar and observe the chemical reaction. Use online chemistry apps to create experiments you wouldn't want to do in your kitchen!
- Relate forces and motion to the movement of a car.
- Ask questions to link material learned in science class to real-world scenarios: Why does ice float? Why do astronauts weigh less on the moon? Why is asphalt hotter than concrete on a summer day?