



Summer Fun Learning Activities Guide 2016

Reading Tips for Students

- Make a time and a place for reading in your home.
- Use technology to access e-books (iPod, iPad, Kindle, etc.).
- Discuss current events with your family. Learn more by reading newspapers or news websites.
- Get a subscription to a magazine you will enjoy reading. Some examples might be Newsweek, Motor Trend or People.
- Check out various book clubs in the community or online, or create your own book club and books to read and discuss with friends.
- Visit the library at a local college, and while you're there, walk around the campus.

High School

Writing

- Keep a personal journal or diary and tell your own stories.
- Write a letter to the editor of a newspaper.
- Write daily to keep your skills sharp. Some topics might include: career goals, summer break activities, and practice essays for college entrance submissions.
- Include your real-life writing experiences (e.g., writing letters or e-mails to family members) and use idioms, adages, and proverbs.
- Take time to update your resume over the summer to include any volunteer work or courses that may enhance your chances for employment.

Mathematics

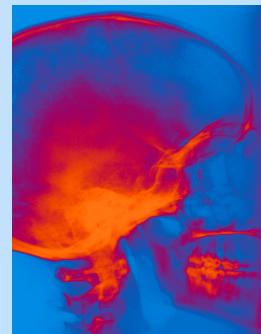
- Read "The Numbers Behind NUMB3RS: Solving Crime with Mathematics."
- Write 10 good hints for taking a math test. Discuss the answers with someone. (Work problems backward, review notes beforehand, study vocabulary, etc.)
- Look up ticket prices for several amusement parks. Determine which season pass is the best value for the money and why.
- Compare and contrast algebra and geometry. Use a Venn diagram to show differences and similarities between the two.
- Keep a log of locations visited on trips around town, around the country, or around the world. Plot the locations on a map, using a grid system. Compute the actual distances traveled between the points and compare to the distances "as the crow flies."
- Identify ways in which algebra is used in everyday life.
- Convert the daily temperature listed in the newspaper from Fahrenheit to Celsius.

Summer Fun Learning Activities Guide is published annually.
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Science

Look in the classified ads of your newspaper and find job listings for medical/health professions. What is the median pay range? What are the job requirements, education requirements, benefits, and opportunities for advancement?

$$\begin{aligned} \frac{1}{V} \int z \, dV &= \frac{\pi r^2}{VH^2} \int_0^h z(H - z)^2 \, dz \\ &= \frac{\pi r^2}{VH^2} \int_0^h (z^3 - 2z^2H + z^2H^2) \, dz \\ &= \frac{\pi r^2}{VH^2} \left[\frac{z^4}{4} - \frac{2z^3H}{3} + \frac{z^2H^2}{2} \right]_0^h \\ &= \frac{\pi r^2 H^4}{VH^2} \left[\frac{1}{4} - \frac{2H}{3} + \frac{H^2}{2} \right]. \end{aligned}$$





Science Activities Online

- Begin a project for the Nevada K-12 Statistics poster competition. See: www.amstat.org/chapters/Nevada
- Subscribe to the SAT Question of the Day. Visit sat.collegeboard.org
- www.smithsonianeducation.org/students/explore_by_topic/science_nature
- <http://www.nasa.gov/>

Local Adventures

- Lake Mead
- Red Rock Canyon Lied Discovery Children's Museum
- Museum of Natural History
- Springs Preserve

For more options visit:

<http://museums.nevadaculture.org/>



More Summer Reading Tips for Teens

- See yourself in the story while you read, as if you are the leading character in a movie version of the book.
- Write notes to yourself about what you read in the text that was interesting to you or about topics on which you want to learn more.
- Connect what you read with what you already know. Ask yourself questions while you read. For example, what was the author's purpose for writing this text? Why did the author choose that word to describe the character versus a different word?
- Survey the text before you read and predict its content or plot. While you read, check whether your predictions were correct and why.
- Pause and reflect while you read and at the end of reading. Ask yourself, what did I learn? How do I feel about the story or the character?

Links to Summer Reading

- <http://ala.org./ala/mgrps/divs/alsc/awardsgrants/notalists/ncb/index.cfm>
- <http://www.mypubliclibrary.com/catalog/library/userdef/teens.asp>
- www.cityofnorthlasvegas.com/Departments/Library/Library.shtml
- www.neh.gov/projects/summertimefavorites.html
- <http://bclibrary.org/kids-resources/>
- <http://lvccld.org/teen/index.cfm>
- <http://readkiddoread.com/>

Online Resources

Visit <http://ccsd.net/departments/literacy-social-studies-library-services/book-awards-reading-list>

Improve your knowledge of science by visiting www.rpdp.net/index.html.

Learn about camps, contests and events for students at
<http://so.ccsd.net/>.

Nevada Academic Content Standards

http://www.doe.nv.gov/Standards_Instructional_Support/Nevada_Academic_Content_Standards/

Note to Parents

CCSD offers the above list of links to summer reading lists and resources in our continued support of student achievement and the love of reading. Book lists cover a wide range of topics and interest levels. It is the parents' responsibility to verify the appropriateness of any book for their child. Also, please check with your child's school online, as many schools provide summer reading lists that support site-specific programs and classes.