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DE18 Using Primary Sources for Interdisciplinary Literacy: Math, Science and Technical Subjects

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Together let's create extraordinary classrooms.

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What We Will Do In This Session

Evaluate, examine, and brainstorm topic-specific, content informed lessons that integrate primary sources for interdisciplinary literacy.

Demonstrate effective instructional practices within the context of the state standards. Whether you teach math, science, or other technical subjects, you'll collect strategies you can use tomorrow.

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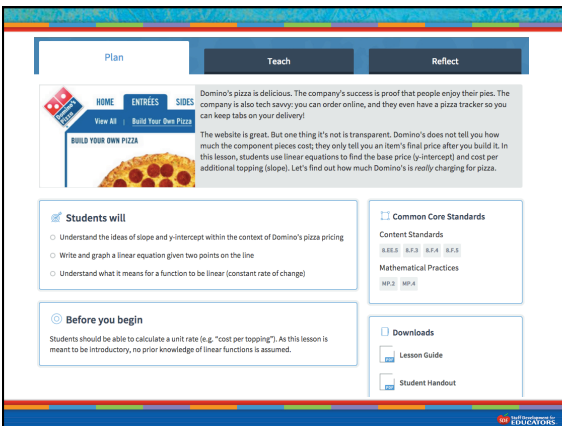
Math

[Mathalicious](#)

mathalicious

Mathalicious is a site teachers can use to create math lessons that focus on real world math, like shopping or finding life on other planets. Mathalicious lessons are CCSS aligned and help build deeper levels of understanding in real-world contexts. The lessons promote higher order thinking and problem solving skills.






Plan Teach Reflect

Q1 Q2 Q3 Q4

Below are prices for a medium 2-topping pizza and a medium 4-topping pizza from Domino's in Washington, DC. Plot them on your graph and use the information to answer the following questions:

- Based on the information above, how much do you think Domino's is charging for each topping?
- A medium 3-topping pizza costs \$15.46. What would it mean if it cost more than this, e.g. \$15?
- For the 2-topping pizza, how much in total are you spending on toppings? For the 4-topping pizza?
- If you wanted to order a medium cheese pizza, how much would you expect to spend? Explain.
- Now write an equation for the price of a medium pizza, and explain what the equation means.
- Does a pizza with 12 toppings cost twice as much as a pizza with 6 toppings? Why or why not?

ITEM	PRICE
 Medium (12") Hand Tossed Pizza Whole: Pepperoni, Green Peppers	\$13.97

TPS – Barat Primary Source Nexus **TPS-Barat**
 Primary Source Nexus
 teaching resource blog

A resource connected with the The Library of Congress Teaching with Primary Sources (TPS) program. TPS- Barat works with an educational consortium of schools, Universities, libraries, and foundations to provide no-cost teacher professional development to help K-12 educators provide high-quality classroom instruction using the millions of digitized primary sources available from www.loc.gov.

“Primary Source Learning: Math Activities That Add Up”
 Links to primary source resources curated for math lessons by TPS-Barat.

NASA TRIAD

The NASA triad is a project that was created to promote geoscience, technology, engineering and mathematics components of NASA's mission in secondary classrooms. The site includes many NASA generated lesson plans for middle school and high school, and links to powerpoints, posters and other primary source resources.

Home About Triad Teacher Network Workshop Tools Teaching Resources

Activities

These are NASA generated Lesson Plans that are available for your use; just download the pdf of the lesson. Lessons are arranged alphabetically by audience level.

- High School 9-12
- Middle School 6-8
- Elementary School K-5

Title	Description	Subject
Astrobiology Math (4.87 MB)	This collection of activities is based on a weekly series of space science problems intended for students looking for additional challenges in the mathematics and physical science curriculum in grades 6-12. The problems deal with	Fractions, decimals, percents, problems, ratios, proportions, quantitative relationships, large numbers, exponential, scientific, calculator notation, arithmetic
