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Literacy Matters in Science and Mathematics

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Gladys Hamilton

Richmond County School System

- Math and Science 6th – 8th Instructional Coach
- Glenn Hills Middle School



STEM Teaching and Learning Conference

Literacy Matters in Science and
Mathematics

Who Am I

- RCSS
- Middle School Math and Science Coach
- 13 years in Education
- What brought about this presentation

What is Literacy

- Share with the person sitting next to you

What is Literacy

- **What is Literacy?**

Defining literacy in our changing world is not easy. Several years ago, being literate meant being able to read and write a little. Now, being literate means being able to read and write at a level to be successful in today's world and also being proficient at math, knowing how to use technology, and knowing how to solve problems and make decisions.

What is Literacy

- Writing
- Speaking
- Listening
- Presenting

Literacy Across the Curriculum

Literacy Across the Curriculum

Few people would object to the notion of literacy across the curriculum. Everyone would like to see literacy as something that empowers students across a wide variety of disciplines, subject areas, or work practices (see Figure 1).

Physical
Education



Figure 1. Literacy across the curriculum

Do Literacy Opportunities exist in the Math and Science Standards?

- Choose a copy of the math / science standard of
- Read / Highlight words that will allow literacy opportunities to be provided to students.
- Share out



Instructional Framework

- Opening
- Work Session
- Closing

NEXT GENERATION SCIENCE STANDARDS

- ARGUMENTATIVE WRITING IS MENTIONED 97 TIMES IN THE NEXT GENERATION SCIENCE STANDARDS

Questions

