



TEACHER'S CORNER – JULY 2017  
SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

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Across the world, there has been a growing interest in Science, Technology, Engineering, and Math (STEM) education. Much of this interest comes from the growing daily use of technology; from computers to cell phones to driverless cars, more and more of the world is powered by computer code. The largest companies in the world are increasingly technology-based and in need of skilled engineers, computer coders, and scientists.

Incorporating STEM subject matter into our English language classrooms can help our students develop awareness and skills that may help them in their future careers. In fact, many educators are now arguing for STEAM education: Science, Technology, Engineering, *Art*, and Math. The call for adding art education to STEM learning comes from the need to effectively communicate creatively in the areas of science, technology, engineering, and math through excellent speaking and writing skills.

In this month's Teacher's Corner, we will develop and practice speaking and writing through a variety of STEM-related activities. Each week students will have the opportunity to explore the STEM fields while engaged in the arts of speaking, listening, reading, and writing in English. Along the way, they will use science to help protect the environment, learn computer code, explore the role of women in engineering, and use logic to solve a challenging puzzle:

Week 1 – Science: Protecting the Environment

Week 2 – Technology: Coding – A Language for the Future

Week 3 – Engineering: A Career for All

Week 4 – Math: Thinking Logically



During Week 1, we'll begin the month with a reading and speaking activity centered on reducing, reusing, and recycling to protect the environment. In Week 2, students will engage in listening and reading while learning about coding. In Week 3, students will be encouraged to explore the role women have played in engineering and computer science through a reading and writing activity. Finally, in Week 4, we'll conclude with a reading and speaking activity centered on solving a logic puzzle.

For more on STEM, check out the American English [STEM MOOC!](#)