Your student could be the next Entrepreneur… Inventor… Visionary...

Connect Students To The Real World

Innovate

Foster Collaboration

Encourage Higher Order Thinking Skills

As a teacher, you have the wonderful privilege of nurturing and encouraging the great minds of tomorrow. A career in engineering, computing, or technology allows the brightest minds to better the world for all of us while earning a competitive salary, enjoying a good work/life balance, and having the opportunity to travel.

Make *engineering and technology fun*

Engineering intersects with many different disciplines, so it's easy to find connections with topics your students find fun and interesting. Make your students aware of how these areas overlap with one another to promote engagement.
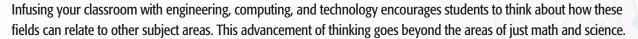
- *Medicine*
- *Law Enforcement*
- *Fashion*
- *Transportation*
- *Entertainment*
- *Electronics*
- *Sports*
- *Recreation*

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Expand your *students' learning*

Infusing your classroom with engineering, computing, and technology encourages students to think about how these fields can relate to other subject areas. This advancement of thinking goes beyond the areas of just math and science.

Science
- Human body: Engineering heart valves, hand biometrics
- The environment: Designing ways to clean up an oil spill or irrigation systems

Math
- Measurement: Determining surface area, distance, volume, or mass from a proposed design
- Data representation: Collecting, graphically analyzing, and drawing conclusions from tests

Language Arts
- Explaining a design approach and how problems were solved
- Gathering and analyzing research to synthesize findings

Social Studies/History
- Learning about the impact of engineering, computing, and technology on civilization/society
- Debating the ethics of technology

Easily add *to your curriculum*

There are many ways you can easily integrate engineering, computing, and technology into your classroom curriculum.

- Use engineering, computing, or technology lesson plans that reinforce concepts in other subjects
- Integrate into afterschool or summer programs
- Arrange a field trip to a science center, university, or engineering industry facility
- Host a guest speaker or show students the career profiles on TryEngineering.org

Introduce your students *to successful professionals*

Sohaib Qamar Sheikh works as an IT and Communications Systems Consultant in London, United Kingdom, where he creates next-generation technology solutions for soccer stadiums, university campuses, and commercial skyscrapers. To learn about his fascinating career in engineering, watch this inspirational and interesting video: **tryengineering.org/careers-2030**

Learn more *today*

Get valuable academic and career resources — in addition to many more career profiles of engineering, technology, and computing professionals and students — by visiting **TryEngineering.org** and IEEE **TryComputing.org**.

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