



S - science is all around us

T - technology is continuously expanding into all aspects of our lives

E - engineering is designing and building
(which children do instinctively)

M - mathematics is a part of every occupation

How do STEM activities help prepare students develop global competencies?

STEM activities will...

1. Help to tackle hurdles in the design process and the ability to change a thought process during the creating process
2. Develop flexible thinking and thinking outside of the box
3. Develop forward thinking and anticipating challenges that may need to over-come
4. Allow for analyzing of problems and working to correct challenges
5. Generate understanding of concepts through inquiry and hands-on learning
6. Teach teamwork, collaboration and communication
7. Encourage risk taking in a safe environment
8. Build perseverance and determination - allows freedom to think critically
9. Gain experience recording data, writing reports and giving presentations
10. Foster a love of learning

Source - <https://kidengage.com/blog/2018/02/10-benefits-stem-education/>