

Creating a Culture of STEM Excellence in Your Home

Nurture your child's interests and abilities in science, technology, engineering, and math. Find opportunities for them to participate in extra-curricular STEM activities.

Foster their creative and critical thinking. Allow them opportunities for decision-making, even if they make mistakes in finding a solution. We learn from our mistakes!

Create engaging experiences where your child can interact with the real world, not just a computer, television, or gaming screen.

Engage your child in discussions or games requiring critical thinking skills. Talk about school and outside activities. Encourage them to take on challenging projects.

Find role models and STEM superstars your child can look up to. Celebrate academics! Make STEM COOL!

Bridging the Gap

Interactive Websites to Share

www.pbskidsgo.org/scigirls

www.mathsnacks.com

www.doe.state.la.us

www.sciencebuddies.org

www.webadventures.rice.edu



Some S.T.E.M. Opportunities in Our Area

- STARBASE 2.0 Afterschool STEM Clubs
- Regional Autonomous Robotics Circuit (RARC)
- National Science Olympiad
- Destination Imagination
- Boy Scouts and Girl Scouts of America
- 4-H Clubs



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Websites:

www.307bw.afrc.af.mil/units/starbaselouisiana/index.asp

www.dodstarbase.org



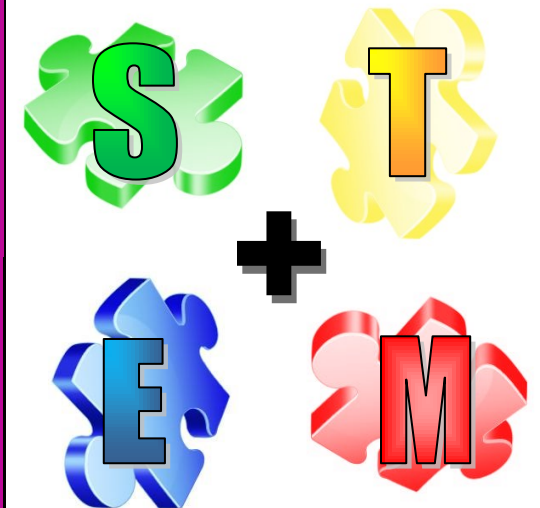
Did you know that STARBASE Louisiana has a Facebook page? "Like" us on Facebook to hear the latest news, see the latest photos, and stay up to date on what's happening at STARBASE Louisiana. Simply search for "Starbase Louisiana".

<http://www.facebook.com/StarbaseLA>

To make donations or learn more about volunteer opportunities contact
STARBASE Louisiana, Inc.
501c3 non profit organization
supporting the outreach of STARBASE Louisiana. All donations are tax deductible.

STEM Powerment!

Excellence in
Science
Technology
Engineering
Mathematics



**Fitting the Pieces
Together for Your
Child's Future**

STEM Education—Preparing our Kids for the Future

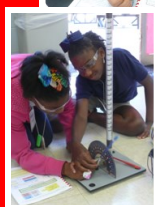
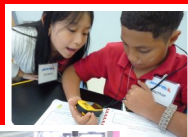
Current unemployment rates for the U.S. averages over 8%. Those that graduate from college or technical training programs have a much greater chance of finding employment.

STEM education is more than just math equations, lab reports, blueprints, and computers. It is about exploring subjects that can lead to exciting careers and make students better equipped to solve real problems.



What are the key job skills of the future?

- Observing
- Applying math skills
- Locating information
- Analyzing data
- Reading



In addition, employers want workers who demonstrate the “4 Cs”:

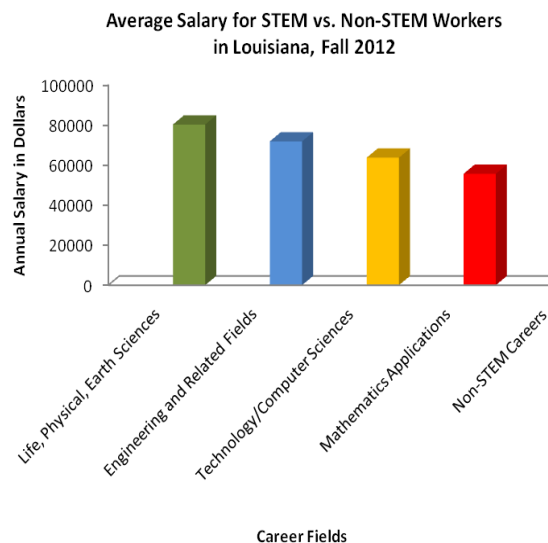
1. Critical thinking
2. Communication
3. Collaboration
4. Creativity



- Over the past 10 years, STEM job opportunities have grown three times as fast as growth in non-STEM jobs!
- STEM workers receive higher wages, earning 26% more than their non-STEM counterparts!
- STEM degree holders enjoy higher earnings, regardless of whether they work in STEM or non-STEM occupations!

*U.S. Dept of Commerce,
Economics and
Statistics Administration*

**STEM
\$ PAYS! \$**



Source: State Occupational Employment and Wage Estimates-Louisiana

http://www.bls.gov/oes/current/oes_la.htm

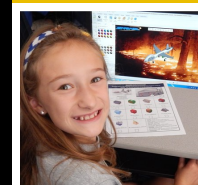
DoD STARBASE Louisiana: Leaders in STEM Education

STARBASE Louisiana at Barksdale Air Force Base is a national science, technology, engineering and mathematics (STEM)



program sponsored by the Department of Defense. The goal of STARBASE is to raise the interest and improve the knowledge and skills of youth in STEM subjects.

The U.S.A. has a critical need for a highly skilled and STEM educated work force to protect our national security and maintain our nation's leadership, productivity, and economic edge.



STARBASE students experience STEM content elements, leading edge technology and innovative instructional methods that develop scientific literacy, critical thinking, and problem solving. STARBASE student academies create an environment to actively engage students in STEM exploration to excite their interest, develop a solid concept base, and encourage them to pursue STEM in the future.