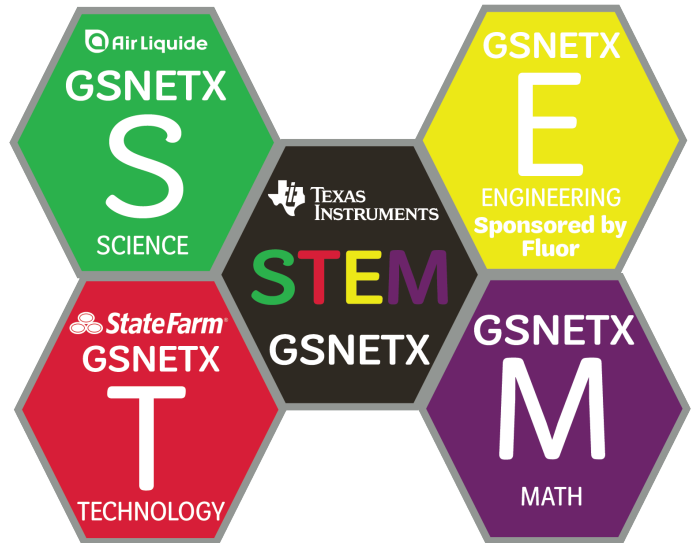


# GSNETX STEM Seal of Approval

To earn the **Texas Instruments STEM** center:  
Do one activity from each category AND attend a community STEM fair OR attend a GSNETX STEM event OR attend a workshop offered by a GPS program partner.

To earn the **Air Liquide S, State Farm T, FLUOR E, or M:**  
Do the starred activity, plus 3 additional activities in that category OR attend a GSNETX STEM event OR attend a workshop offered by a GPS program partner.



### ► Air Liquide Science Seal of Approval:

- ★ Find 3 careers in science that interest you. Choose one and complete a Career Card.
  - Design your own investigation to learn about a scientific phenomena such as transfer of energy.
  - Create your own journal and make observations of what you see, hear and smell when you take a walk around your neighborhood or when you go on a hike with friends or family.
  - Tour a science lab (at the STEM Center of Excellence or at school) & learn the purpose of 5 pieces of equipment and practice using one.
  - Interview a professional scientist such as an If/Then Ambassador, [www.ifthencollection.org](http://www.ifthencollection.org)

### ► State Farm Technology Seal of Approval:

- ★ Find 3 careers in technology that interest you. Choose one and create a Career Card.
  - Compare a phone from today to 3 others throughout history. Describe how they are different and what ways the changes made use easier.
  - Research three new emerging innovative devices or technological applications. Describe how it will help the community.
  - Explore technological advancements in travel. Create a timeline or design a new method of travel by air, land or water.
  - Learn a new game to play. Create your own app or game to play in a digital world.
  - Complete an Hour of Code. Visit [www.code.com](http://www.code.com) for more information.
  - Interview a professional in a technology career such as an If/Then Ambassador, [www.ifthencollection.org](http://www.ifthencollection.org)

### ► FLUOR Engineering Seal of Approval:

- ★ Find 3 careers in technology that interest you. Choose one and create a Career Card.
  - Aeronautical and Aerospace engineers work with aircraft and things which we make that can fly- Design your own flying vehicle to transport cargo
  - Biomedical engineers create devices and technology for healthcare purposes- design a product to help the human body perform a function like grab a cup
  - Chemical engineers use mathematics, chemistry, and physics to solve problems- make your own cosmetic/beauty product
  - Civil engineers design structures like buildings, bridges and dams- Design a model community
  - Environmental engineers focus on ways to sustain and improve the natural environment- Design a way to repurpose an item for a new use
  - Mechanical Engineers deal with design and production of machine and tools- design a tool to help you complete a chore around the house
  - Sign up for an engineering workshop at [gsnetx.org/events](http://gsnetx.org/events)
  - Interview a professional from an engineering field such as an If/Then Ambassador, [www.ifthencollection.org](http://www.ifthencollection.org)
  - Complete the Annual Fluor Engineering Challenge, [www.sciencebuddies.org/fluor-challenge](http://www.sciencebuddies.org/fluor-challenge)

### ► Mathematics Seal of Approval:

- ★ Find 3 careers in technology that interest you. Choose one and create a Career Card.
  - Budget for your lifestyle! Make budget envelopes to help you manage your money as you save for a special item or event.
  - Discover the importance of measurement when cooking. Try a recipe from another country that uses the metric system and then convert the recipe using the Imperial measurement system.
  - Explore symmetry in nature! Photograph 5 examples from nature and recreate one using common items found around or at home
  - Explore currency from 3 different countries. Practice making change for each of the currencies.
  - Complete the walkSTEM®@Camp Whispering Cedar by visiting The STEM Center of Excellence or watching the lessons on [www.youtube.com/c/talkSTEM/featured](http://www.youtube.com/c/talkSTEM/featured). Create Your Own walkSTEM®, [talkstem.org/create-your-own-walkstem](http://talkstem.org/create-your-own-walkstem)
  - Interview a professional in career that uses mathematics such as an If/Then Ambassador, [www.ifthencollection.org](http://www.ifthencollection.org)