



*“The Earth is what we all have in common.” –
Wendall Berry*

STEM in the News

Have you ever had a burger? It is known that people have been killing cows for it. Well, not anymore. With an impossible burger you can now eat a juicy meal knowing that you didn't kill a cow for it.



Scientists have created a burger made from just plants. They use all kinds of vegetables to make it look, smell, and taste like a normal burger. This burger patty will help save animals on our planet as well as the environment. Even vegetarians can enjoy this environmentally friendly burger.

Resource: <https://impossiblefoods.com/>

STEM Career Spotlight

People who work with environmental technology make on average \$46,170 in the United States. In order to work as an environmental technologist you need an Associate's Degree or a certificate in a scientific field. However, some jobs require a Bachelor's Degree or higher.

STEM in History

The industrial revolution brought about new technologies with extensive power. It was the transition to new manufacturing processes in Europe and the United States, in the period from about 1760-1840. This has been succeeded by continued industrialisation and further technological advancements in developed countries around the world, and the impact of this technology on the environment has included the misuse and damage of our natural earth. It advances sustainable development by reducing risk, enhancing cost-effectiveness, and creating products and processes that are not environmentally harmful. What can we do to reverse the damage being done and make sure that we are protecting our environment before it is too late?

STEM Across the Curriculum

Plant More Green

Disciplines - Science, ELA

Activity - Go outside and learn how planting can help the environment. Start in your backyard and plant some herbs, such as basil or rosemary. Be a gardener and help save the environment. Document your steps and publish it in a blog or share with your friends on social media. Keep track of your plants by recording your observations.

STEM Movies

The 11th Hour depicts how humans impacted the Earth in a harmful way and are still having issues with not taking care of our Earth by throwing trash on the ground, not recycling, and doing other things that hurt Earth. We need to take steps to protect the environment, which should be treated with respect and care. We can make a change today with the help from our community and keep it healthy and clean.

Resource: <https://oli.cmu.edu/courses/environmental-technology-nsc-stem-pathways-open-free/>

“When one door closes another door opens; but we so often look so long and so regretfully upon the closed door, that we do not see the ones which open for us.” – Alexander Graham Bell

#STEM@ADM Spotlight

At Alice Drive Middle School, we have a STEM program called STEM Go Green. Mrs. Gallegos has been teaching it for a few years now. Her students research various environmental issues, such as global pollution, global warming, renewable energy, etc. For example, as a part of a project, students grew plants to observe the growth processes and learn about successful tree planting. This was a real-life hands-on experience that offered students an opportunity to engage in a meaningful STEM-related activity.

Famous STEM Person

Do you know who made the first solar panel? Well, it is a company called *Bell Labs*. In 1954, they made the first solar cell. This invention was very important because it collected the Sun’s energy and allowed us to use it as a renewable resource. This turned out to be very helpful because it has a potential to decrease our use of non-renewable energy resources.

STEM Challenge

Make Your Own Newspaper Bag

Do you want to help save the environment? Well let’s make a newspaper bag!

Materials: Stapler, tooth pic, paperbag, and rope.

Step 1. Grab a newspaper and a toothpick, and poke two holes at the top and bottom middle edges going horizontal.

Step 2. Fold the newspaper horizontally toward itself. Grab any type of rope and cut 35in twice.

Step 3. Stick the 35in rope going through the two holes and then tie a knot. Do the exact same thing for the other two holes.

Step 4. Next grab your stapler and put about 5 staples into the bottom and the sides of the newspaper bag. Enjoy your newly made bag!

STEM Puzzle

Answer the question below.

WHAT DO YOU DO WITH A DEAD
ELEMENT?

Answer: You BARIUM