



“A clever person solves a problem. A wise person avoids it.” -Albert Einstein

STEM in the News

The current computer has revolutionized the world that we live in today. The cell- phone is one of the many computers that we use in our everyday life. The cell phone allows us to communicate over long distances and clearly with each other. There are many other forms of communication like phones, laptops, desktop computers, etc. Computers are also used for entertainment that we use daily. It allows us to solve many problems that we come across for important jobs. Many hospitals use computers to surgically help patients or even give them check-ups. Medicine is also created by using computers which then allows us to stay healthy and safe.

STEM Career Spotlight

The usual salary for a Microsoft employee is from \$83,000 to \$340,000 depending on the job. It is not mandatory to have a Bachelor’s Degree in computer science, but it will help you get a better job at Microsoft. You will also need knowledge of computer software to get more money than other candidates.



STEM History

The computer, as we know it today, had its beginning in the 19th century when an English professor named Charles Babbage designed the first analytical engine. Computers can be classified in three generations, each generation lasted for a certain era. Each resulting in either a new and improved computer or in a sort of an improvement to the existing one. The first electronic digital computer was created by Dr. John V. Atanasoff and Clifford Berry in 1937, called the Atanasoff-Berry Computer. Computers of this generation could only perform single tasks, and had no operating system, but thanks to scientists all around the world, we have better computers today

STEM Across the Curriculum

Finding A Great Career

Disciplines- ELA, Career Exploration

Activity- On your phone or computer, look up things that you are interested in and find a great career. On a sheet of paper, record the job, salary, and what you need to do to get that job. This will help with planning and lets you know that you might have to work harder than you were expecting. This is an amazing way to learn how to work on your own, and plan a future for yourself.

STEM Movies

Computer Chess is about the early 1980s when a young computer genius takes part in a tournament to see who could create a program where a computer could beat a human in chess. Computers are very capable of doing things such as coding and creating apps that we use daily. They also help us figure out solutions to problems that we are not able to do. They are also made to do anything that you are interested in. This movie is an example of the power that computers offer to people and how helpful they often are. By using the steps of an engineering design process, people create programs, applications and other helpful resources that make our lives easier.

“The computer was made to solve problems that did not exist.” - Bill Gates

#STEM@ADM Spotlight

Here at Alice Drive Middle School, students of all grades use chromebooks to complete school work. This is called a one-to-one initiative that the entire Sumter School District uses. Students use an app called google classroom where their teachers post assignments for them to complete. It is very reliable because it tells the teacher who has and has not turned in the assignment on time. Alice Drive teachers are very thankful that they have an amazing resource in their hands. Using this resource allows the teacher to teach and grade their assignments digitally while in a safe environment.

Famous STEM Person

In 1822, a man named Charles Babbage started working on the first computer. Before Babbage, computers were humans. The people who were called “computers” would sit at a table and do arithmetic operations for long hard hours. Charles’ first computer could only do easy addition, subtraction, multiplication, and division, but thanks to his hard work we now have modern computers available.

STEM Challenge

Do you want to make your computer look cool? Let’s add some decals!

Materials: tape, paper, and color pencils.

Step 1: Grab your computer and flip it 180 degrees so that the back side of the screen is showing. Then close the computer so that you don’t damage the internal parts.

Step 2: Grab your paper and draw anything you want on it.

Step 3: Grab your color pencils and color it in.

Step 4: Grab your piece of art and place on the back side of the computer. Then grab your tape and place the tape on the outside of the paper.

Step 5: Admire your cool looking computer!

STEM Puzzle

Can you solve the riddle?

What do you get when you cross a computer with a hamburger?

A Big Mac