



Good at Heart



Eighth grade ELA did a thematic study of the Holocaust this semester. It is a difficult subject that always leads students to reflect on the events and immense cruelty of the events. Students often ask, “How could something this horrible ever happen?” We have discussions about the economic and conditions of the times. Nevertheless, it can be a difficult unit to experience.

*It's really a wonder that I
haven't dropped
all my ideals,
because they seem so
absurd and impossible to
carry out. Yet I keep
them,
because in spite of
everything,
I still believe
that people are really
good at heart.*

— Anne Frank

This year, ELA teachers were inspired by the words of Anne Frank. We only have to look around the Austin community to see countless people making a positive impact on the world. We challenged students to research an individual or organization that counters the hate we just read about in our unit. Students wrote articles and created 2 page spreads to show how our world is filled with many people and organizations who prove Anne's words to be true.

We would like to give a special thanks to Fred Benitez, our campus Educational Partner. He helped the ELA teacher with the technology of the project and created the beautiful book for each class. We hope you enjoy it.

SUSAN B. ANTHONY

OVERCOMING OPPOSITION



At a time of such deprivation and want, *she dared*. At a time when darkness and neglect lurked in so many homes, *she brought light and hope*. At a time when the voices of women were drowned out and forgotten, *Susan B. Anthony stepped up and dared to speak of change*. Today she is considered a feminist icon, and one that'll never be forgotten.

During the 19th century, married women suffered a great deal due to the impact alcoholism had on their families. As factory work became a common source of income for women, most often their paycheck wasn't spent for the good of the family, but to fuel an addiction that seemed to spread like wildfire. Alcohol abuse had become a growing problem for many lower-middle class American homes, so to combat such a widespread issue, Ms. Anthony collected the signatures of 28,000 women and children demanding stricter liquor laws. But in the lawmakers' eyes, the signatures of women and children were invalid. Anthony realized that in order to achieve her goals, women would need the right to vote.

“Cautious, careful people, always casting about to preserve their reputation and social standing, never can bring about a reform. Those who are really in earnest must be willing to be anything or nothing in the world's estimation, and publicly and privately, in season and out, avow their sympathy with despised and persecuted ideas and their advocates, and bear the consequences...”

Ms. Anthony understood the importance of every citizen fulfilling their civic duty, and her work paved the way to a new era in government: women's suffrage. Since she grew up with a family centered around Quaker beliefs, her fight for abolition began at a young age. However, as she campaigned against slavery and for temperance, Anthony was met with fierce protest—she was a woman voicing her opinion, something both questioned and frowned upon.

She began her work towards women's suffrage in the mid 1860s, with Wyoming being first to allow a woman to vote in 1869. In 1872, alongside her 'Little Band of Nine Ladies', Anthony convinced the supervisors of her polling place to allow her to vote. Although she was later fined \$100 for voting illegally, this event marked an important milestone on her path to equality.

Elizabeth Cady Stanton and Susan B. Anthony--a truly iconic duo. Together they published four volumes of the History of Women's Suffrage, a work of art that still serves as a timeline for 1st wave feminism. The book chronicles a plethora of recollections of women's experiences, protests, and accomplishments. Several women contributed to the writing of different chapters and volumes, with everything from the Church's contribution to sexism, to steel engravings of powerful feminist advocates. Each volume focuses on a different aspect of the fight for equality and women's role in American history.

In this age of increased dispute between liberalism and conservatism, the acknowledgment of some of America's greatest heroes serves as a way to unite us all. Although many people perceive heroes as law enforcement or soldiers, it's important to realize that not all heroes bear arms. Heroines like Ms. Anthony brought about an age of reform and independence, and today she is featured on the dollar coin. Whether it was her work in aiding in the fight for suffrage or publishing one of the most important American history books of all time, Susan B. Anthony truly deserves the title of Conqueror.

A traveler, a chef, a writer

ANTHONY BOURDAIN

A link to Bourdain's supposed
last interview: The End of a
Legacy

[https://www.theguardian.com/
lifeandstyle/2018/jul/18/
anthony-bourdains-last-
interview-trump-weinstein-and-
travel](https://www.theguardian.com/lifeandstyle/2018/jul/18/anthony-bourdains-last-interview-trump-weinstein-and-travel)

A Traveler, a chef, a writer. These three words are nothing less than the perfect description for Anthony Bourdain. Not only was he all these things, he was much more. Anthony Bourdain had already established himself as a traveler through certain media like books, but his two shows: Anthony Bourdain: No Reservations and Anthony Bourdain: Parts Unknown, made him a star.

In Anthony Bourdain's first big travel show: No Reservations, Anthony demonstrated countless acts of respect and sensitivity to guests on his show. Two Examples of this are if Anthony is a guest at one's house and they cook him a meal, even if he wants to spit it out he'll complement them on their cooking and he'll eat every last bite. Another example of this is when he interviewed an openly gay woman. She lived in a place where it wasn't encouraged to be gay. Anthony Bourdain referred to her as brave, and encouraged her bravery over the constant hate given towards her for being a lesbian.

Anthony Bourdain often refers to the places he visited as beautiful and writes poems about them in a soothing, peaceful manner. Yet not everything is sunshine and rainbows. Anthony Bourdain has also never shied away from exposing injustices, attempting to provoke anger and passion in his viewer's hearts. Along with talking about discrimination against gays when interviewing a lesbian woman, there are more examples of him showing and discussing injustice in the world. He once was speaking to a couple about political debates and discrimination in the area. The couple were arrested shortly after for speaking out on it.



**Context and memory
play powerful roles in all the truly
great meals in one's life"**
-Anthony Bourdain

Finally, Anthony Bourdain was an excellent role model for travelers around the world. He often travels to and encourages traveling to more lesser known areas of the world. Places like Bhutan, Tbilisi, Macau, Kurdistan, Azores, these places probably aren't on the top on most people's travel list, and he treats them the same as he would some huge city like New York. He goes out of his way to fully embrace their culture, even a bit of their history. In one the episodes in his more recent series Anthony Bourdain: Parts Unknown, I remember watching him walk through a valley while recounting the events of the war as he walked. About how much blood was shed, and how bombs left buried in the field would still go off today.

Are you still looking for proof that good exist in this world? Look no further than Anthony Bourdain. He's a man of dignity that shows respect towards other cultures, encourages travel to lesser known locations, and speaks out for diversity and injustice. Anthony is a good role model for children, travelers, and dreamers. Because after all, Anthony Bourdain is a traveler, a chef, a writer.

-Written by Kean Dailey

The night shift

By: Alex Denton

Night shift surgeons face terrible things and extreme internal dilemmas every day, but still they fight through to help others. On a daily basis, tragedy surrounds these surgeons. These people see death and sadness that no normal human could imagine and that no human should experience. These surgeons also have to live with the fact that if they did something else they could have saved someone's life, or the confrontation with the family if something happens, but still they fight through this so they can save lives.

Being a night shift worker is not only hard it also requires extreme personal sacrifice. A night shift worker has to work more hours. The social life of these workers can fall apart because it's hard to have steady communications with someone when you work when they're asleep. Working the night shift can also increase your risks of getting a sleep disorder. Pets that need attention during the day cannot be looked after making almost impossible to own a pet. These are some of the many consequences of working the night shift.

Working the night shift is one of the hardest jobs in the world, that many people could not do. Often hospitals are low staffed. doctors and nurses are often extremely fatigued. The night shift usually only experiences extreme patients, so if you are on the night shift you will have a much harder job and have to make tough decisions concerning the life of the patient. Some surgeons and nurses have to stay awake for hours on a difficult operation and do extreme operations short-handed.



Dr Menes and his team after the Las Vegas shooting

Dr Kevin Menes

On the night of Oct 1st, Stephen Paddock shot into a rock-country concert crowd in Las Vegas Nevada with an automatic assault rifle. Thousands of people were hit, many dying instantly, but those who weren't were sent to the sunrise hospital in the masses. The head surgeon that night was Dr. Kevin Menes. He sorted the patients by four colors yellow no surgery required. Green will need surgery, red need emergency surgery, and black unsaveable. He worked on those who he thought could be saved. He had an average of 6 seconds to choose if these patients would live or die. Using these tactics he helped save hundreds of people.

Thanks to night shift workers all around the world many people are still alive today that otherwise might not be. They fight through the struggles of the night shift to help others, even though it can be hard them. That is why I believe night shift workers are good people, and they put good in the world with their work.

PLAYERS ON THE FIELD, CHARITY WORKERS OFF IT

STEVIE FAGAN

The Dallas Cowboys are one of the most successful franchises in the NFL. But football isn't the only thing the players do in their lives. Many of them chose to do charity work off the field. Whether it is raising money for a cause or doing something in person, they change the world for the better.

Dak Prescott, the starting quarterback for Dallas, was inspired to raise money for colon cancer after his mother passed from the disease just a few years prior. He posted a picture to Instagram on August 28th, 2018 saying if just 100 people posted a photo with the same hashtag #ReadyRaiseRise, Bristol-Myers Squibb would donate \$250,000 to colon cancer research. The picture was of Prescott holding a football and a piece of paper that had #ReadyRaiseRise on it, which is



Although DeMarcus Lawrence, a star defensive end for Dallas, is a bully on the field, he always tries to make the world a better place off of it. A perfect example of this was on September 10th, 2018 when Lawrence organized a bowling night to raise money towards giving free bikes and backpacks to youths. This was also the day a loss to the Carolina Panthers and Lawrence chose to do this instead of using the day as a time to rest. I mean, would you choose to host a bowling night the day after playing an NFL game? Well, Lawrence chose to. He invited several families in the Dallas area to the event, and it turned out to be a massive success.

Those were just three of the many good deeds that players who wear the blue and white choose to do in their free time. It just goes to show how a lot of players know how to use their publicity into being a good role model for children. They know charity work will get heavily publicized, and the Dallas Cowboys accomplish this to a tee.

On November 22nd, 2018, the Cowboys played the Washington Redskins. After a touchdown from Dallas' starting running back Ezekiel Elliott in the first quarter, Elliott decided to celebrate by putting \$21 dollars into a Salvation Army bucket prop at the back of the end zone. Afterwards, he said he would donate \$21,000 to the Salvation Army. This donation would cost him more than he thought, though, as after the game, the NFL fined Elliott \$13,000 for excessive celebration. Still, his willingness to create publicity while donating money knowing there is a chance of him getting fined shows true character and humility.



By: Kate Furnish

Clara Barton's integrity



The one room schoolhouse that Clara Barton started.

Compassionate, strong, and dedicated— all of these describe Clara Barton. During the Civil War era, Clara Barton demonstrated her generosity and confidence. She did her best to help other people, as well as standing up for what she believed in. Clara wanted make the world a better place, and she took many steps to complete her goals. She became a role model as a result of all her hard work and dedication to helping people who didn't have medical care in their access. It was important to her that everyone received the treatment of which they had the need for.

When her brother fell from intense heights and suffered a severe injury to his head, Clara assigned herself the task of aiding him back to health. Clara helped her brother defy odds by nursing him back to health long after the doctors had declared him incurable. However, this took about two years. Clara was willing to take the burden upon her shoulders for as long as necessary. How did Clara acquire her knowledge with so little experience? She gained her nursing experience purely from attending to her brother and then later treating injured soldiers which means that she was a self-taught nurse.

During the war, injured soldiers were often more free of sadness and grief because of how sympathetic Clara was. Clara was talented at being relatable because of her previous teaching background. Once she was appointed the General Correspondent for the Friends of Paroled Prisoners by Abraham Lincoln, she became very serious about making sure anonymous graves were not left unidentified after the Civil War. She showed her deep care for wounded soldiers by running into the battlefield to help them. Given the limited nursing supplies, Clara was often very creative with her nursing techniques so that soldiers could receive the best treatment. She wanted all wounded men to be provided clean bandages and for everything to be clean. Even though limited supplies were provided, Clara Barton tried to give all the soldiers all the main necessities.

Clara was an inspiring woman who believed in doing what was right. She started her own school in New Jersey early in her career, and her students very much enjoyed having her as their teacher. News of the school that she had opened spread quickly. Over the span of one year, attendants jumped from only six to more than 200. Clara demonstrated her devotion to her service by accomplishing milestones as a volunteer, and usually one of the first ones, too. Traveling to Cuba during the Spanish-American war was not required of her, yet she did it because of her sympathy for the people in need of her help living there.

Clara Barton accomplished countless good deeds in her life. Founding the American Red Cross organization and leading it for the next 23 years was only one of them. She was an understanding, caring, and hopeful woman who saved many lives all out of the kindness of heart. She will forever be remembered as an amazing nurse, teacher, and hardworking individual!

“I may be compelled to face danger, but never fear it, and while our soldiers can stand and fight, I can stand and nurse them.”-Clara Barton



The First Vaccinologist

JOEY GILBRETH



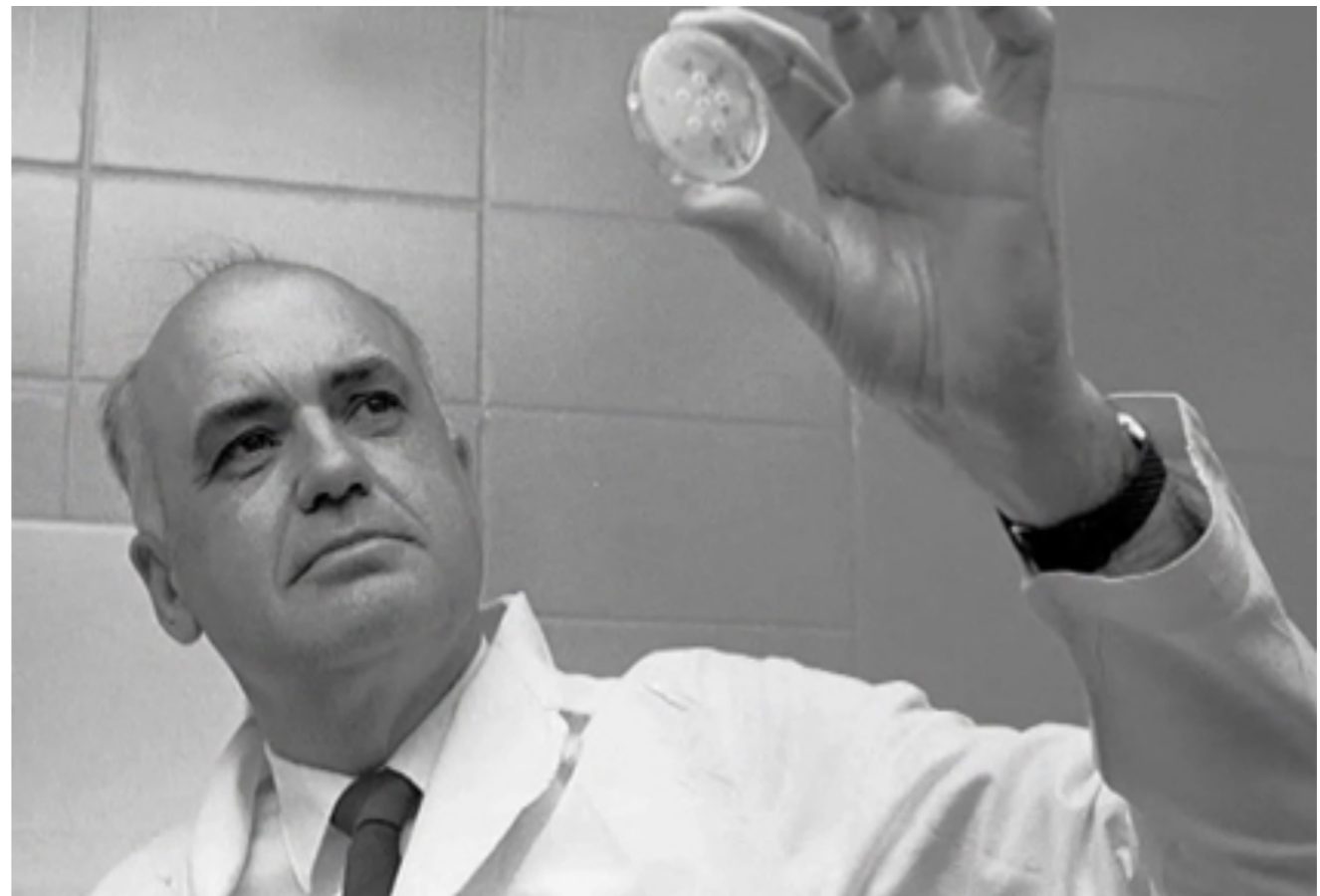
Dr. Hilleman performing research at his laboratory

Do you know who was the first vaccinologist? It was Maurice Ralph Hilleman and he was also one of the pioneers in his medical field. His findings over 20+ years were and still are essential for the medical field. His work saved countless lives over the years, and it will continue to save lives in the years to come.

Hilleman is a patriot because he developed the vaccine for the Japanese encephalitis (JE) virus. After Hilleman completed his PhD in Chicago 1944, he started working with Squibb and Sons. At the time, this brain-swelling virus was killing American soldiers daily, Hilleman decided to do something about it. He developed the vaccine that year saving thousands of American soldiers' lives.

LATER IN LIFE

His will to save lives is another reason he is a good person. In 1957, he came to the realization that an influenza outbreak was looming in Hong Kong. Using imported samples of the virus, he was able to create a vaccine for the strain before it arrived in The States. He ended up limiting the deaths in the U.S. to 70,000. Health officials today estimate that, without a vaccine, the influenza would have killed 1 million Americans.



He showed kindness to strangers. In 1963 his daughter, Jeryl Lynn, contracted the mumps virus. He extracted samples of the virus from his daughter. From this weakened virus, he was able to create a safe mumps vaccine. Instead of keeping the vaccine to himself, he shared it with the rest of the world. In fact, we

still use the Jeryl Lynn strain in our MMR vaccine today.

In conclusion, Maurice Ralph Hilleman was a good person. He saved countless lives and helped many others. People who knew him said he was always a joy to be around, but was firm in his values.

His life story is an example of the benefit of vaccines and the field of science pioneered by Hilleman called Vaccinology.

MISTER ROGERS' NEIGHBORHOOD®

“Won’t you be my neighbor?”

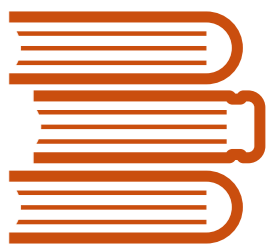
Those words, as simple as they may appear, ring through with Fred Rogers (the host of Mr. Roger’s Neighborhood) message to the world; Love and cherish every person you may meet. Fred is a symbol of kindness. But how is his kindness, love and goodness evident?

Well, to be frank; Fred Rogers treats everyone with immense amounts of love. This wasn’t just limited to the television. Many fans have been caught off guard by the same exact kindness and care that he displays on his show.

One of the most well-known cases revolved around a small quadriplegic boy named Jeff Erlanger. His condition left him wheelchair bound, but Mr. Rogers didn’t mind what made Jeff different, he enjoyed talking to Jeff and learning about his life. When an episode called for a lesson on overlooking differences, Fred demanded that it be his friend Jeff. It was suggested that he just use a local child, but he paid out of his pocket to fly Jeff from Wisconsin to take part in the episode. How could someone be more loving?



Up to the date of his death, Mr. Rogers responded to every piece of fan mail he ever received, and by hand no less.



Secondly, Fred is a fantastic role model for children. In the puppet stage section of his set, called The Neighborhood of Make-Believe, he teaches all sorts of hard subjects to young children. One of the most sensitive subjects he's covered was the assassination of John F. Kennedy. In the famous episode, he starts with a simple show, and one little tiger asks a very hard question: "What is assassination?" Fred responded, "Have you heard that word a lot today?" "Yes, but I don't know what it means." "Well, it means someone getting killed in a surprise sort of way" "Like that man killing the other man?" "Yes, danny." Other subjects include racism, disabilities, and 9/11. He never shies away from touchy material, "Kids deserve to know these things, they just need a warm hand to guide them along"

Fred's use of simple language makes the topic easy to swallow

Note his calming, relaxing tone.

Mr. Rogers kindness while speaking makes him very easy to listen to.

Besides just trying to inform his viewers, he attempts to interact with his fans. He does this through meetups, speeches, but most importantly, fan mail. Fred would respond to any fan mail he ever received by hand, and he got a lot. His morning routine would start with a 3 hours window to write out his loving responses to fan mail. He would always end with, "I love you just the way you are, thank you so much for writing to me. You've made my day brighter just by being you."

Fred Roger certainly left a wonderful mark on the world. . Although he is no longer with us, he exists in spirit in the kind gestures made by everyone of us.

We love you Mister Rogers!

BY: KATE JONES

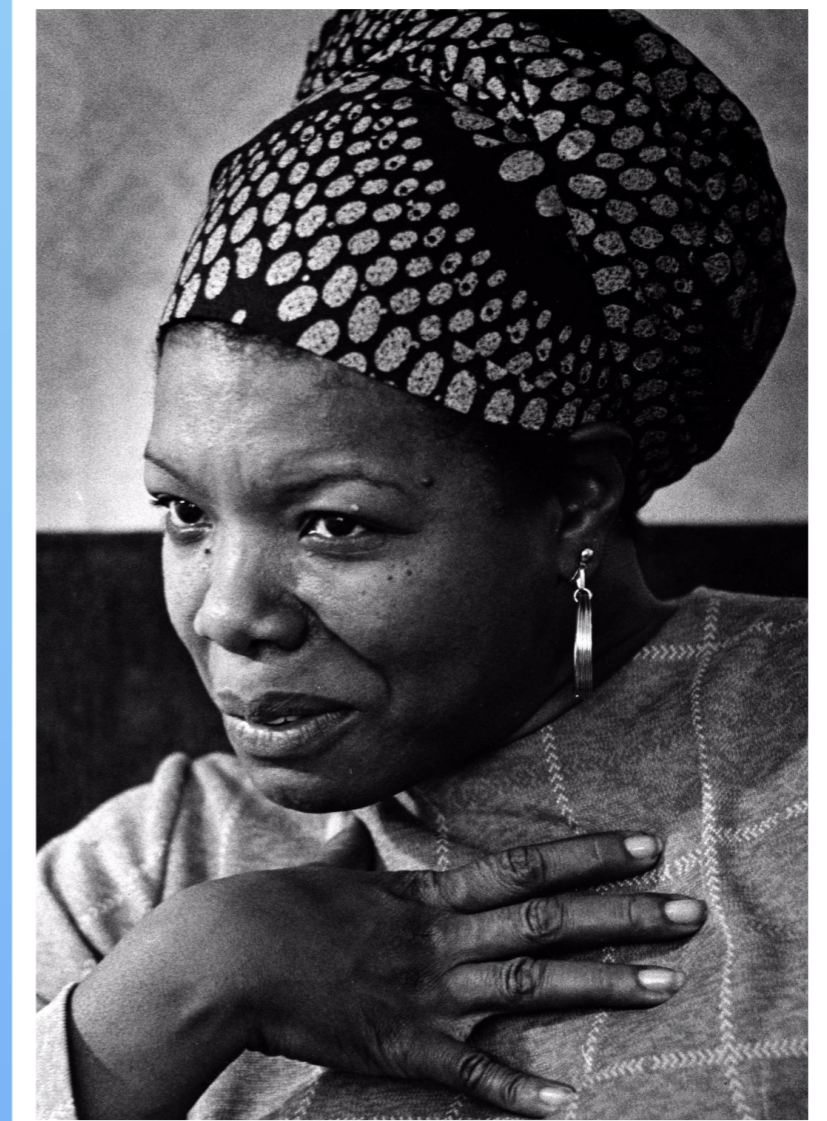
MAYA ANGELOU: AN AMERICAN HERO

The Guardian writer Gary Younge said, “To know her life story is to simultaneously wonder what on earth you have been doing with your own life and feel glad that you didn't have to go through half the things she has.” Who was that woman you may ask? Maya Angelou—the perfect image of a truly good person. She was a civil rights activist, poet, author, singer, dancer, and actor. Her life was overflowing with experience that it was almost like she had endless talents. Everything she did was varied and influential in every form of art. She was the most kind hearted hero in her lifetime.

In the beginning of her life, Maya's household was unstable due to her parents' divorce at the age of three. As her childhood progressed, a horrifying experience frightened her voice into hiding. When she was seven year old, Maya was raped by her mother's lover. Soon after, her uncle took action to defend his niece, and murdered the man. This part of her life was not something most people could comprehend or even relate to, but it was a time when speaking up hadn't been a trace in her mind. However, Mrs. Flowers, a heartening African American, encouraged her to speak again when Maya was twelve. From there on, her career as a beautifully rounded motivational speaker began. Her childhood shaped her monumental achievements and future success for numerous years ahead.



Maya Angelou reciting a poem at Bill Clinton's inauguration



“So say the Asian, the Hispanic, the Jew

The African and Native American, the Sioux,

The Catholic, the Muslim, the French, the Greek

The Irish, the Rabbi, the Priest, the Sheikh,

The Gay, Straight, the Preacher,

The privileged, the homeless, the Teacher.

They hear. They all hear...”

-Maya Angelou

Maya Angelou was a hero because she encouraged people to stand up for what they believe in and overcome their obstacles. Her goal was to aid others so that they don't live the life she had experienced in her youth. People admired her because she advocated for equality by raising awareness in her writing toward Martin Luther King and other people about the Jim Crow brutality. An example of this is her famous book, *I Know Why The Caged Bird Sings*, which was a story about her childhood in the Jim Crow South. This novel motivated people to go against these unjust laws. She also encouraged and publicized MLK's "Poor People's Campaign" per his request. Her nonviolent method of voicing her opinion was an influential quality to others around her. Maya



wanted to be fierce with what she wanted, but in a peaceful manner.

Maya treated others with respect and love, regardless of the color of their skin and ethnicity. Through her writing and many talents, she gave a broader perspective of how people should treat each other. It made them think and change their hateful thoughts into thoughts of acceptance. Her book, *I Know Why The Caged Bird Sings*, illustrated powerful emotion and resiliency that had a positive effect on people's views on Caucasian and African American people. Following the Civil Rights Movement, she also inspired women to continue speaking about their love and loss. Her passion for equality through her speeches and writing sparked a feeling of unity in the midst of all segregation and exclusion.

Maya had walked with grace and confidence when overcoming strifes and helping people overcome their own. She was such a good person at heart and was relatable to the common person whether they are African American, Caucasian, or any other race—making her an icon to everyone who had faced any discrimination and injustice. Maya Angelou was a true American hero.

The World Wildlife Fund: Saving Our Planet

by Natalie Jones

Tall grasses blow in the wind on the Namibian savannah. A large figure plods through the bushes and bursts into the open — a black rhino in all of her mud-caked, 3,000-pound glory. She stops for a moment to pluck a few leaves off a nearby tree as the warm African sun hits her back. Suddenly, a single shot disturbs the peace. Men's voices fill the air as the rhino slowly...slowly...falls, landing in a cloud of dust. One more life lost. One more blow to the critically endangered black rhino population. Two more priceless horns to sell on the black market. Poaching is a big problem in today's world, but luckily there are many people and organizations working to prevent it, including the World Wildlife Fund. The World Wildlife Fund (WWF) is making a significant impact for good in the world by not only fighting poaching, but also by working to save plants, animals, and human resources all around the globe.

The World Wildlife Fund was founded in 1961 with the primary goal of bringing much-needed financial support to worldwide conservation efforts. Since then, it has grown into the world's largest conservation organization and does much more than fundraise. Its main purpose is working to prevent extinction in many species and to **“ensure the world's most iconic species, including tigers, rhinos, and elephants, are secured and recovering in the wild.”** WWF is making vast advancements in



A rare black rhino on the Namibian savannah.

protecting the world's wildlife with goals such as doubling the number of wild tigers by 2022, protecting Arctic whales from underwater noise, and closing Asian ivory markets. They're also working to improve and protect these animals' habitats, specifically forests and oceans. Deforestation is a critical issue right now, and since 80% of land species live in forests, WWF is aiming to better conserve the world's forests by 2020. Along with forests, the World Wildlife Fund is striving to build a more resilient ocean by

developing new technology, saving coral ecosystems, supporting sustainable fishing, and much more. If these habitats aren't protected, thousands of species will die out. The loss of a single species can disrupt the entire ecosystem and food chain. Extinction also threatens biodiversity and can destroy the balance of nature. Humans depend on many different plants and animals for food, medicine, and other needs, and the loss of many species could threaten our survival. WWF is working very hard to prevent this.

5 Key Ingredients Of AgWater Stewardship

- Assess water risks in key sourcing regions
- Set sustainable agricultural policies that address water
- Set time-bound goals to reduce water impacts of key crops
- Directly support and incentivize growers to protect water resources
- Collaborate at watershed level to protect water resources in high-risk areas

Ceres WWF

The AgWater Challenge

WWF partnered with an organization called Ceres to create the AgWater Challenge in order to “help companies advance their sustainable sourcing strategies”. They’re working with many farmers and companies to reduce the affect of agriculture on our water and to use water more responsibly.

Find out more about the AgWater Challenge [here](#).

Not only is the World Wildlife Fund protecting animals and their habitats, but they’re also fighting global warming and working to better take care of our environment.

Global warming and human-induced climate change are causing many negative environmental impacts. Examples include less fresh water, an increase in forest fires, rising acidic oceans, many negative impacts on wildlife, and impressions on our economy. WWF is

striving to build a lower carbon USA, protect forests, and use more renewable resources. Along with raising millions of dollars to go towards this cause, they’re also spreading awareness, which may be one of the most important aspects of saving our environment. If people aren’t aware of what’s at stake, then how will they be motivated to help? The World Wildlife Fund is a global hero in the fight for a healthy planet.

In addition to working to save the environment, part of WWF’s mission is to help farmers produce more sustainable food and save the earth’s supply of fresh water. Clean,

fresh water is our most important resource and is very limited. Humans, plants, and animals alike depend on it for survival. Even though 70% of Earth is made up of



water, only 2.5% of it is fresh and capable of sustaining life. However, of this small percent of water, only approximately 1/4th is accessible to sustain life due to the remainder being frozen in glaciers and polar ice caps; stored in the atmosphere; and trapped in soil. WWF is working to change this. They are working with governments, promoting sustainable water use, and working to protect freshwater ecosystems, as well as raising lots of money. The demand for food is also quickly increasing, which is taking great tolls on the environment and rapidly using freshwater. There is already a great strain on the food market and many people struggle everyday to

secure just one meal. WWF is working to meet this need by producing more sustainable food sources that have a positive impact on the environment. Their goal: “to

feed the world while conserving the earth’s precious natural resources.”

Besides aiming to have better resources of fresh water in agricultural supply chains, the World Wildlife Fund is also working to prevent illegally caught seafood, reduce food waste, and educate people through blog

posts on their website.

From protecting the delicate environment to fighting global warming to being a voice for thousands of voiceless animals, the World Wildlife Fund is a hero in the face of destruction caused by a careless human race. Their efforts are helping to protect our environment, our human population, and — eventually — save our planet.



It's a bird it's plane it's Alan Turing

BY NOUMAN KHAN



During WWII



Enigma code machine

Alan Turing was a smart man. He worked for the government part time before the war broke out. When the war did eventually break out Turing joined the governments full time code breaking school. Their he worked with many other brilliant minds to decode German U-boat signals and encryptions. Allied boats were decimated due to German U-boats. Turing helped the Allies to read German enigma codes. They were very successful. By 1941 the allied were able to read and decrypt German enigma. Alan made a huge contribution to the Allies.

Due to Turing and the code breaking team efforts in London the Allies won World War 2, because of their efforts the Nazis and the Axis powers could have won and had a lasting impact around the world, and because of the code breaking team they saved many sailors and navy men from dying at sea. This new technology as key for naval victory and keeping the Germans away.



AFTER THE WAR

“ We can only see a short distance ahead, but we can see plenty there that needs to be done” (Alan Turing)

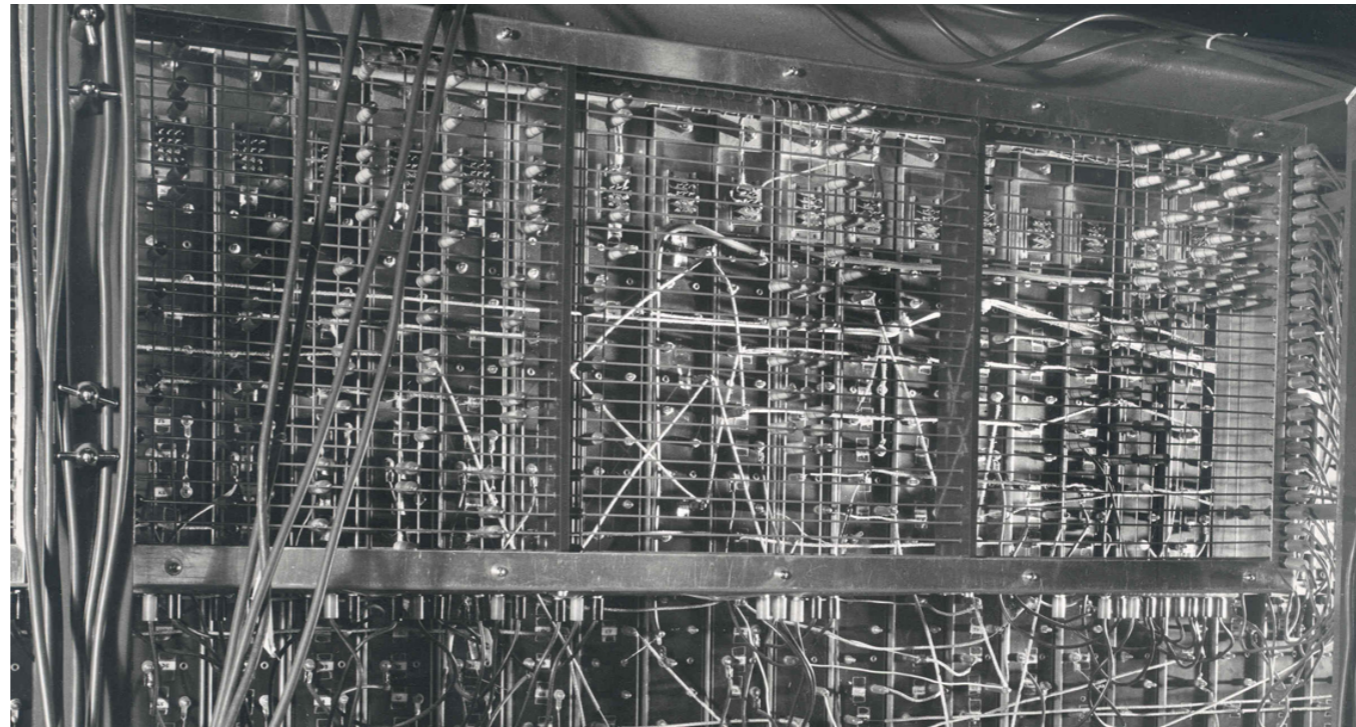
“Alan Turing made the single best contribution to Allied victory in the war against Nazi Germany” (Winston Churchill)

After the war Alan Turing joined the National Physics Laboratory in London to create a computer. His design at the lab was the 1st complete electronically digital computer.

After the war, he helped introduce many scientific and mathematical concepts like early hardware, logic, philosophy, mathematical biology, and many other concepts later named in science such as artificial life or AI and Cognitive science. He worked on ACE(automatic computing engine) at the Physics lab.

Private life

Alan Turing was a gay man. He was gay when at the time being gay was illegal. Turing was engaged to a woman, but soon told her of his sexual identity so the relationship between them didn't last long.



He was convicted of gross indecency, after the police investigated his home. Why did they investigate? His home was robbed and he reported it to the police

Alan Turing's computer made in

What they found out was that he had an illegal relationship With a 19 year old man. When he was convicted the police gave him 2 choices go to jail or help test a drug that would reduce homosexual desires and sexual urges. He went with the treatment, after he took the drugs he suffered side affects. He then committed suicide by eating an apple laced with cyanide. The side effect might've led to his suicide. He was one of the most famous, helpful, and smart person in the world.



Alan Turing 1912-1954 he lives 42 years and he spent those 42 benefiting the world



Legacy

Alan Turing was named the greatest icon of the 20th century. The legacy and life of Alan Turing was not known much until long after his death. His impact on computer science was widely known. It wasn't until the 1990s people came to know about his role in the World War and his job in cracking the enigma codes. It was estimated that the knowledge made in London at the government top secret code breaking building at Bletchley Park shortened the war by 2 to 4 years

How the British got the knowledge

Polish mathematicians had already worked out how to read Enigma



Alan Turing

codes and shared this info to the British. When the Germans found out they increased its security when the war broke out. Turing invented a machine known as The Bombe. The machine help the allied code breakers significantly.

By the 1940s German messages were able to be read by allied forces, and the intelligence gained at London helped the Allies and their war.



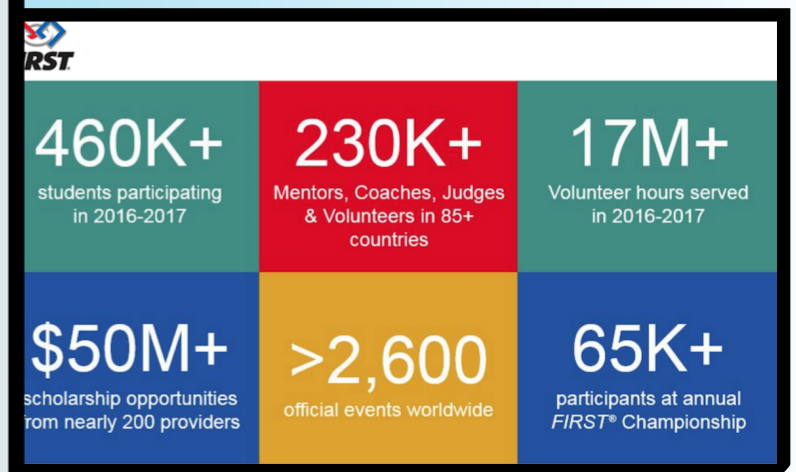
The Man Who Helps

By Caden Klein

When you slip and fall, you normally wouldn't come up with one of the most famous inventions of your time. Then again, Dean Kamen is anything but ordinary. Dean Kamen is a man of many accomplishments. He has invented countless technological advances that do and will continue to benefit our society. These actions include the idea to help others to encourage the next generation, to give others second chances at life, and to help people in need. Making use of his ideas, Dean Kamen has helped countless people through the kindness and generosity in his heart. Dean Kamen recognized at a young age that the next generation were vital to our world, and that is when he founded "FIRST".

It has been repeated throughout history that kids are the future, and Dean Kamen recognized and aimed to help those kids to better our society. "First" is an organization created in 1989 by Dean Kamen to encourage the next generation of children. "FIRST" has countless benefits. There are LEGO groups for younger kids, and technical and robot building groups are available for older kids. This group protects and enlightens its participants. "FIRST" gives many young people a good chance later in life with 80 million dollars for scholarships to colleges. Even without a scholarship, you are able to learn how to interact with others and have fun in a carefree environment. This can help ease if not completely eliminate the looming problem of student debt. This is possible due to the nature of the preparation for "First". This preparation is unique for your needs. Debt is a looming problem for our society which believes you have to go to college to be successful. Dean Kamen didn't complete college; he dropped out halfway through. This program also helps teach Stem which is short for Science, Technology, Engineering, and Mathematics. This can help kids in and out of school. By teaching kids about Robotics and Stem it broadens their ability to go to college and get a job while also having fun in a carefree environment. "First" has given countless people a safe place to learn have fun and find out who you are as a person and who you want to be. Building your ideas and testing them is what Dean Kamen helped kids understand at First, but that is what he does full time at Deka. Tirelessly making this world a better place.

This is a picture showing the results of Dean Kamen. This shows how and how "First" benefitted with their work and how many people enjoy it.

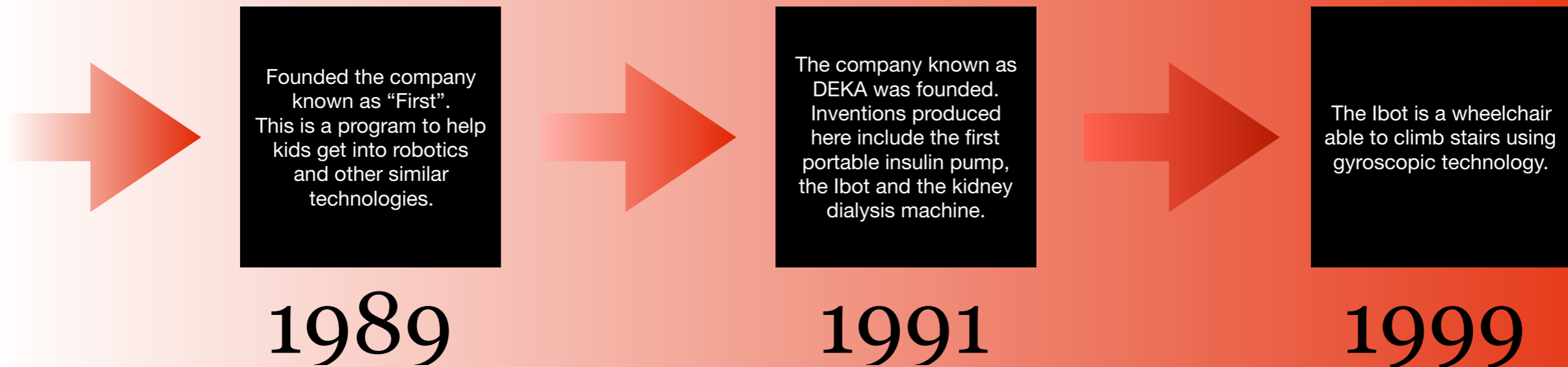


Many people get caught up with their own needs when helping others, but with Dean it is always for someone else. DEKA (DEKA is an acronym containing the first 2 letters of Dean Kamen's first and last name) was founded in 1991. Within DEKA, Kamen has revolutionized many things. His most famous inventions were the kidney dialysis machine, the first portable insulin pump, and the Ibot. When the kidney dialysis machine is used, it removes excess liquids, and harmful liquids from your kidneys. This conditioning is life threatening, but some live longer than others who have it. The Insulin pump that Dean Kamen invented gave many people more freedom to be normal people. Diabetics need an insulin injection to be able to process their bodies natural sugars and sugars ingested. Since, their body is unable to process their bodies sugar and sugar they eat they often had to carry insulin injections. These painful injections are easy and forgetting injections could be a life threatening problem. The invention of the portable insulin pump has given the large number of diabetics a freedom they never had before. Finally, the invention that gave people more freedom to be like the normal people was the Ibot. The it is a battery powered wheelchair is able to climb stairs which is huge in allowing people to get through everyday life easier. He gives many people in wheelchairs the ability to follow their dreams or support their loved ones. Dean Kamen has always wanted to help others and he does it by saving lives with his inventions.

Dean Kamen

When people lose a limb, they will begin to question their core beliefs and their morals. Water is a most basic of human needs, but close to 35% of the world doesn't have clean water. Many good men and women have lost an arm. Subsequently, the loss of limb could stem from work or war. When people they lose an arm it drastically limits their options. That is what pushed Dean Kamen to invent "Luke". This prosthetic arm has given many a second chance at life because the technology is far superior than any other prosthetic arm. The control an owner has is greater, and the wide range of motion available because the prosthetic allows for easier access to previous tuned motor skills. Water is one of our most basic of needs yet many people struggle to get enough. That is why the slingshot was invented. This machine runs off manure and is able to create water. The water processor when implemented was able to relieve tension a lot in places without enough water. This technological advancement was not for himself, but for the millions of people who live day to day hoping to have enough water. This invention has brought access to something many people take for granted. Dean Kamen always want to help those in need by providing water. With the freedom of flowing water it allows for thought on how to better your country and yourself. Dean Kamen is willing to stand up and help people who others won't.

Time Line



What makes someone good? Is it their ability or willingness to help. Or whether they can look past their social standing to look out for others. There are few people in this world who are well off who want to think of others. Dean Kamen is the opposite. He constantly invents and uses his influence to help others. He started with the younger generation by cultivating their mind with "First". After that, he helped the general population with his inventions such as the portable insulin pump and the IBOT. Finally, he helped the people who needed it most. The people who don't know where to look for hope. Dean Kamen has strived to help others since 1989 when he first started and is showing no signs of stopping. Dean Kamen knows what is good, and strives to do his best to be good whether it benefits him or not. He is hardworking and selfless while setting an example for the next generation.

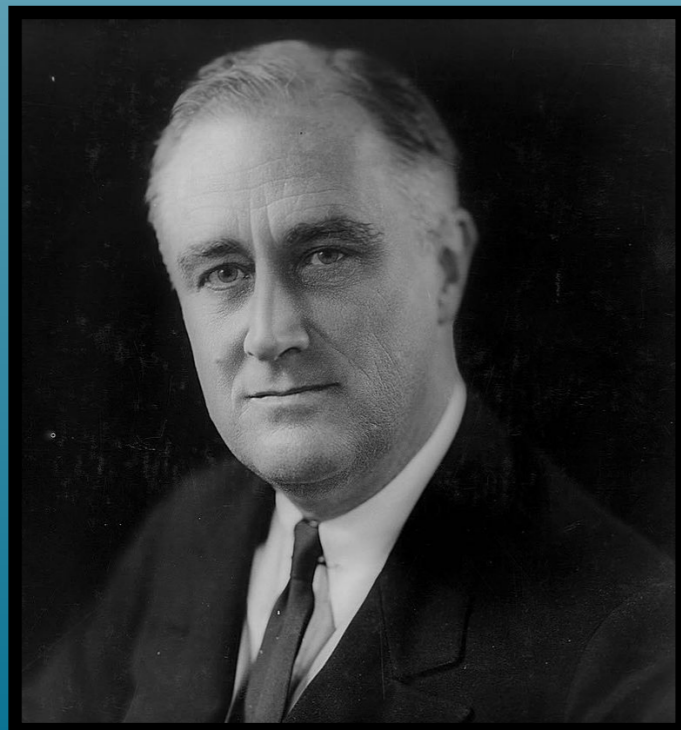
A New Deal for the American People

Franklin D. Roosevelt: One of the Greatest Presidents of All Time

By Austin L.

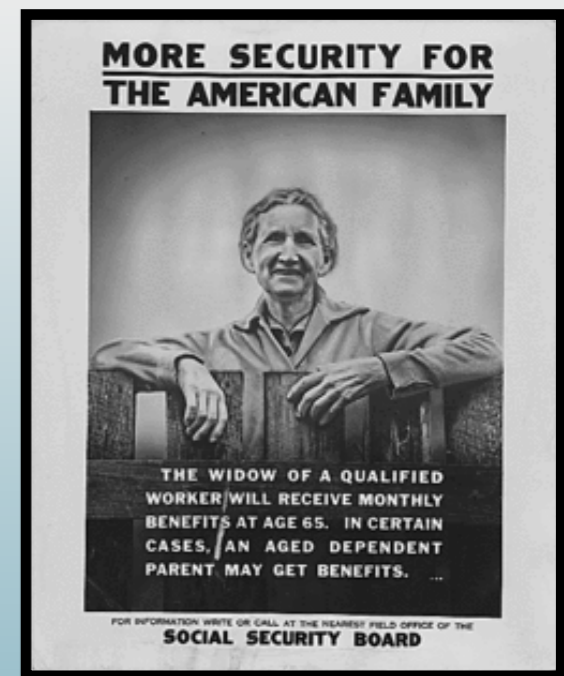
Franklin D. Roosevelt:

Have you ever looked at the dime and asked yourself, “Who is this man on the front? What did he do for the United States?” That man is Franklin D. Roosevelt, one of the greatest presidents of all time. He was the only president to be elected more than twice, and there’s a good reason for this accomplishment. Franklin Roosevelt was a very important public figure in the 20th century, carrying the United States through some of the worst crises in humanity’s history. In doing this, he became a defining figure of doing good in the world.



Franklin Roosevelt in 1933

While handling two of the worst crises in history, Roosevelt resolved the issues effectively. Inaugurated March 4, 1933, Roosevelt was focused on one, gigantic, looming problem: the Great Depression. He battled this economic issue with his “New Deal”, which was his plan to help the United States recover from the economic ditch. The New Deal, in summary, was a sequence of reforms, new programs, and regulations. While controversial with some citizens, the New Deal was undoubtedly highly effective in assisting the economic recovery of the United States.



Poster describing Social Security, a part of the Second New Deal

The New Deal

The New Deal was quite complicated, but most historians describe three main “R”s, those being Relief, Recovery, & Reform. It was also aimed to help the most vulnerable group of the Great Depression: the poor and the homeless. The First New Deal, which began in 1933, was primarily focused on the first R: Reform. The Hundred Days was the first phase of the New Deal, where Roosevelt closed all banks until Congress could deem them in a good enough condition to continue operating. This not only helped the economy, but it restored public confidence in the banks. Other systems, such as the Securities Act of 1933 was meant to prevent another stock market crash on the scale of the 1929 Wall Street disaster.

The Second New Deal, introduced in 1935, introduced other new systems such as Social Security, which introduced pensions for old age, and the Wagner Act. The latter was made to protect people organizing into labor unions. However, support for the New Deal was waning throughout the second half of the decade due to an economic downturn in 1937, and the Agricultural Adjustment Act was declared unconstitutional, as well as the National Recovery Administration. It is hard to argue, however, that these outweigh the help it did for the U.S. economy.

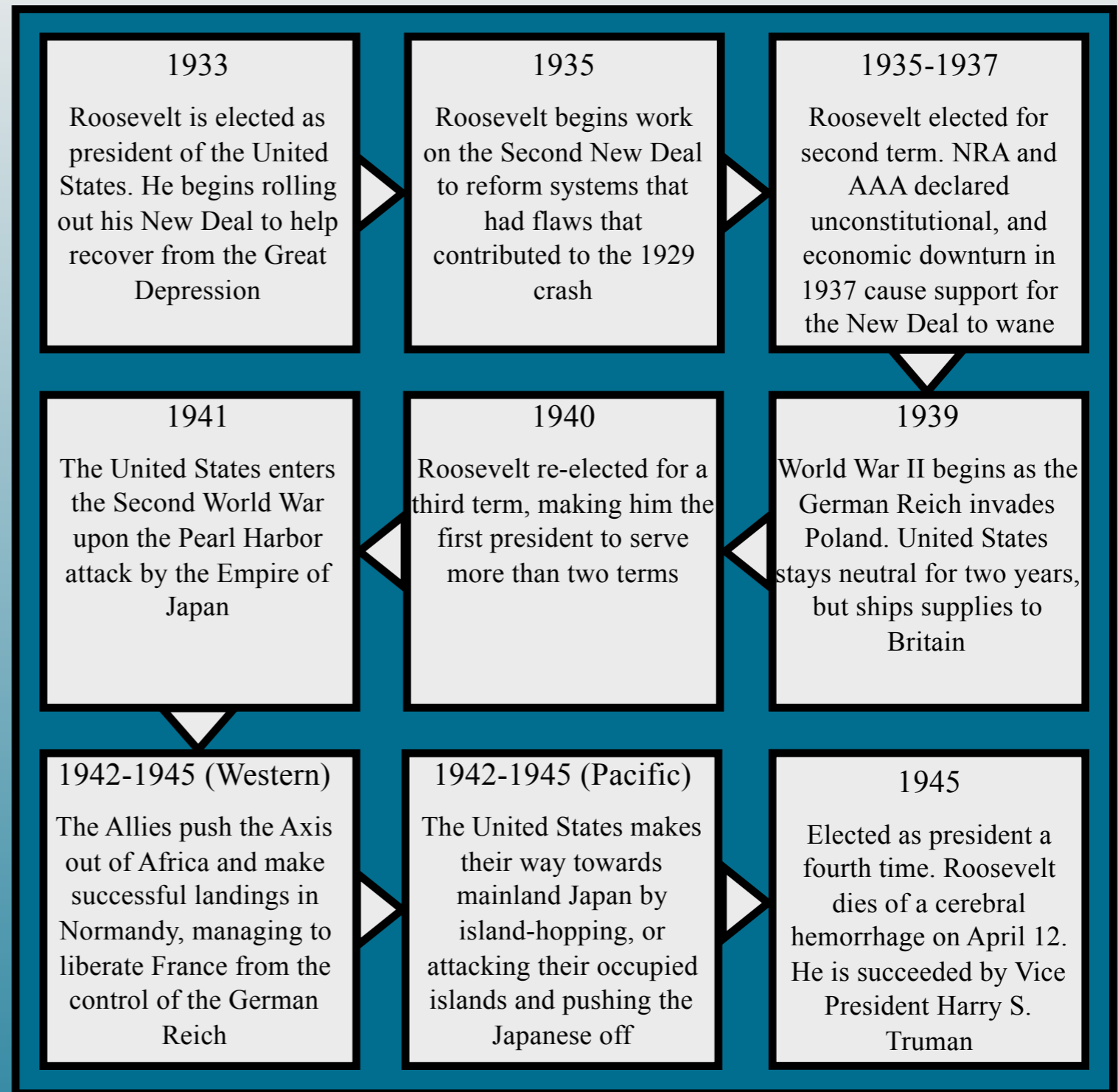
Timeline of events during Roosevelt's presidency

Soon enough, in 1939, he tackled the world conflict known as World War II. While he stayed neutral through the first two years, only shipping supplies and munitions to Great Britain, he joined the war efforts after the Japanese attack on Pearl Harbor. Roosevelt was part of the “Big Three”, which included himself, Winston Churchill, and Joseph Stalin. The Big Three would often discuss war efforts either by telephone, or by their representatives meeting. Due to the distance between all three countries, the Big Three only met in person twice.

While dealing with the Great Depression and World War II, Roosevelt managed to restore the American public's faith during a time when the economy was in its worst state in centuries, and when fascist nations had plunged the world into a second, extremely violent conflict. Roosevelt regularly addressed the public directly via radio; these would come to be known as “fireside chats.” These broadcasts, along with Roosevelt resolving the country's issues effectively, made the public trust him as their president. Even his New Deal spawned the New Deal coalition, which allowed the Democratic Party to dominate all elections up until about 1969. The built trust between Roosevelt and the public allowed him to win 4 elections into presidential power, and when he eventually died, his followers all across the nation mourned his loss.

The day after his untimely death, he was loaded onto a train to be transported back to Washington D.C.

Thousands of his supporters went to the tracks to show their gratitude towards the now deceased president. The new president, Harry S. Truman, kept the United States flags across the nation at half-staff for the rest of the 30 day mourning period of Roosevelt's death, stating that he wished, "that Franklin D. Roosevelt had lived to witness this day."



Through his presidential actions, Roosevelt left a lasting impact on American society as a whole. He is printed on the US Dime, helped create the New Deal Coalition which united the Democratic Party for over three decades, and is ranked as one of the three greatest presidents by scholars along with George Washington and Abraham Lincoln. While he has been criticized by many for some of his actions, it is undeniable that he helped the world more than hurt it. He will be remembered for generations to come as one of the greatest presidents for the good he did for not just the United States, but the entire world.

The 2015 Thalys Train Attack

BY: TROY MICHAUD

The Attack

On the afternoon of August 21st, 2015, a heavily-armed gunman boarded the train from Amsterdam headed to Paris with almost three hundred rounds of ammunition, an AK-47 assault rifle, a pistol, and a box cutter. The only reason the attack isn't a tragedy is chiefly because of three brave friends, who were three of five passengers on the train that day who disarmed the gunman. The three friends were Spencer Stone, a U.S Airman, Alek Skarlatos, an Oregon specialist in the National Guard, and Anthony Sadler, a senior at California State University in kinesiology. The gunman was Ayoub-El Khazzani, a Moroccan national with a jihadist motive to kill Americans. Thankfully, they stopped him and saved many lives.

The Events

These three friends had been on their sightseeing vacation in Europe when the event occurred. They had spent the last few days traveling and were on their way to Paris. Spencer Stone and his friends boarded the train, where they moved to first class for WiFi. Stone, knowing it would be a long ride, decided to take a nap. Not long after, he was awoken by the sound of a gunshot and breaking glass. Ayoub El-Khazzani, the gunman, emerges from the door and pulls the trigger of his AK-47. Skarlatos notices the gun is jammed and tells Stone, "Let's go, go!"



Chris Norman, Anthony Sadler, French President, François Hollande, Spencer Stone, and Alek Skarlatos

THE HEROES

Stone sprints down the aisle, tackles the gunman and puts him into a chokehold. El-Khazzani, trying to break free from the chokehold, repeatedly cuts Stone in the neck, head, and hands with a box cutter. Stone's thumb is nearly severed and he sustains stab wounds across his neck and near his eye. Skarlatos runs over and takes away the gunman's weapons as he pulls them out. He later manages to knock the gunman unconscious by repeatedly hitting him on the head with the muzzle of the AK-47 as Stone struggles to maintain a chokehold on El-Khazzani. Anthony Sadler helps to restrain the gunman by tying him up as well as notify the other passengers when it is safe. After the gunman is detained, they save a man whose throat had



Alek Skarlatos, Anthony Sadler, and Spencer Stone at the Guy's Choice awards.

been split and was bleeding profusely by applying pressure to the wound long enough for the man to get help from the awaiting EMS.

They Conquered Their Fear

These three men are not inherently heroic. They were able to overcome

their fears to save others, when they recognized the opportunity presented by the jammed AK-47. Their quick reactions were the main reason they were able to save hundreds of lives that day. "It wasn't really a conscious decision. We just kind of acted," said Alek Skarlatos.

THE HEROES

Why

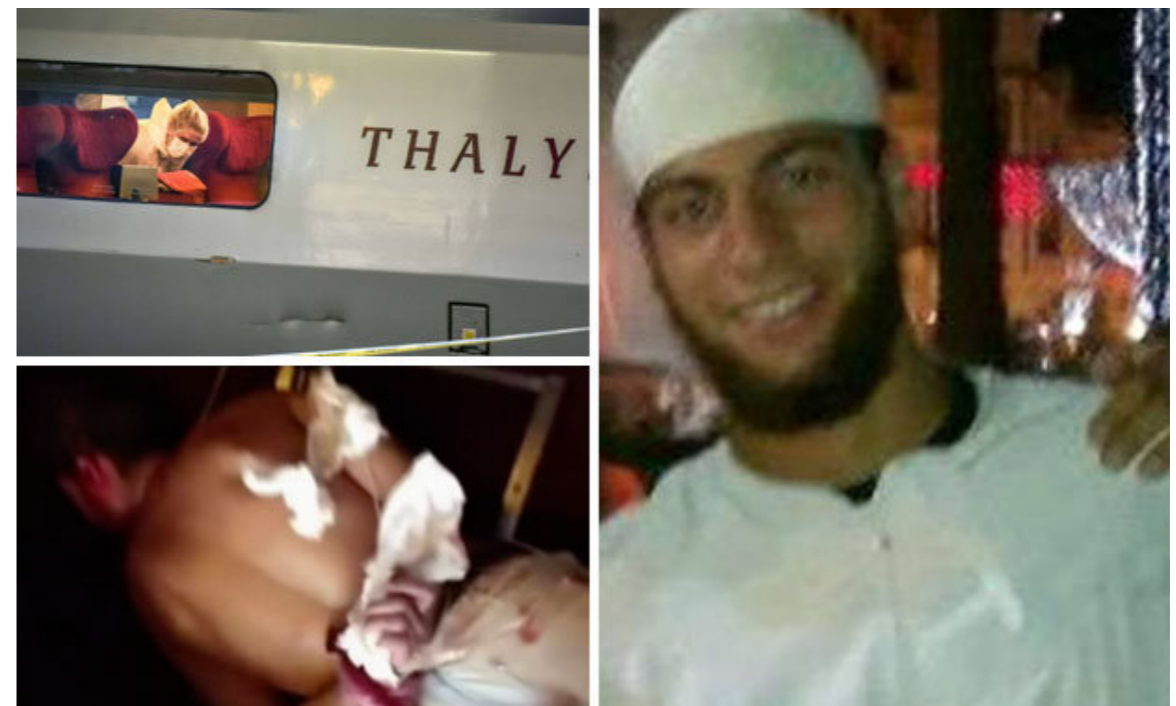
When asked why they fought the gunman instead of running, Spencer Stone said, "Survival. And for, to survive and for my friends and everyone else on the train to make it." This event proves that there are ordinary people who will risk their lives for others, when given the chance to do the right thing.

The Aftermath

After the incident, the three heroes were honored and praised by the French and American Governments, becoming role models to many. "Your heroism should be an example for all," said French President, François Hollande. All three of these heroes as well as another passenger who helped subdue the gunman, received the Legion of Honour, France's highest recognition for military and civil merits. They also received additional awards and a personal phone call from U.S President, Barack Obama, who commended and congratulated them. Spencer Stone was awarded the Civil Medal 1st class for bravery, the Airman's medal, and the Purple Heart. Alek Skarlatos received the Soldier's medal. Anthony Sadler received the Secretary of Defense Medal for Valor.



Spencer Stone and the other heroes



The gunman, Ayoub-El Khazzani

THE HEROES

Conclusion

Without these heroes, hundreds would have died; this attack would be remembered as a tragedy, and families would be mourning their dead spouses, relatives, and children. These heroes are an excellent example of how ordinary citizens will rise to the challenge and overcome their fears even in the most dangerous of situations to save the lives of others.



Spencer Stone, Alek Skarlatos, and Anthony Sadler

Sheryl Sandberg

“What would you do if you weren’t afraid?”

Have you ever wondered how to set a good example for other who are around you? Well, Sheryl Sandberg has had chances to share many many speeches around the world. Her speeches have changed how people see each other. She has done many things for others and has said that she will continue to do more.

Sheryl Sandberg never took anything for granted. She has received many awards for her hard work. In 2014, she was listed as one of the world’s 100 most powerful women by Forbes. She was listed 9th, right behind Michelle Obama. In 2010 she ranked 16, and in 2018 she went up to rank 6. When she received that award, she was in denial and said that she



This is Sheryl Sandberg at a question and answer session answering questions that anyone has for her.

should not deserve that award. She has put many of her earnings into charity.

Sheryl Sandberg has never put herself over others. Her kindness and generosity is an example for others to follow. Even though she is a leader, she shows that a good leader cares for others. A good leader does not think about their own concerns. Sheryl Sandberg assisted in The Treasury’s work on forgiving the members debt. She had worked very hard and sold over half of shares in Facebook since the company turned public. When the co founder of Facebook met Sandberg at a Christmas party she immediately became good friends with him and all of her other coworkers.

Sheryl Sandberg was helpful and had a mature behavior with others and with her work. She never let criticism ruin any of her job. Sheryl was in charge of online sales for google ads. When she first joined Google, she worked as a management consultant which put her through a lot of work. She stayed responsible for sales operation of google's products. Sheryl helped her other coworkers with their other work when they needed an extra hand. Sheryl Sandberg got blamed by Mark Zuckerberg for the outcome of the Cambridge Analytica scandal. She was put into a tough position, but had never forgotten about her job and her loved ones.

Sheryl Sandberg had big dreams about being involved in a cool website. After a lot of persuading and hard work she had finally gotten to where she had wanted to be. She has been working since 1991 to 2019 and will continue to lead onto bigger and better things. She is currently working as a Chief Operating Officer of Facebook and will continue on the legacy of Facebook.

| Sheryl Sandberg's Timeline - Women Lead the Way | | | |
|---|---|---|---|
| Chapter | Building Public and Private Sector Base | Putting It All Together | Redefining the Position |
| Age | 21-40 | 41-60 | 61- |
| Years | 1989-2008 | 2009-2028 | 2029- |
| Work | World Bank McKinsey U.S. Treasury Google | Facebook Women Leaders Think Tank U.S. Senate U.S President 1 st Term | U.S President 2 st Term Global Ambassador |
| Serve | Women in Business | Women in Politics | Global Women Leaders |

This is a timeline about Sheryl Sandberg’s chapter of her life, the ages she’s worked, her years of working, the type of work she has done and her serving.

By: Becca Murray

Princess of the People

Heat radiates off the ground in waves. Dry, dusty air irritates noses and eyes. A crowd of people with cameras and notepads look expectantly at a path surrounded by signs that read “DANGER.” Suddenly, the light chatter of the crowd dies down and a woman emerges from around the corner. She walks with her head down, almost as if she doesn't want to be seen. But little did she know that she would become one of the world's greatest philanthropists.

Helping AIDS Victims

Even though Princess Diana had a privileged childhood, she was aware of all the disease and suffering going on in the world. So, when she married Prince Charles in 1981, she was determined to make her position and influence in the world count. One of her main focuses was supporting HIV/AIDS patients. In the 1980s, AIDS (Acquired Immune Deficiency Syndrome) was a growing epidemic. In the year 1986 alone, around 16,000 AIDS deaths were reported in the US. Princess Diana recognized this crisis, saw that nobody was doing anything about it, and decided to take action.

She traveled the world, meeting and shaking hands with many HIV patients without gloves or hesitation. These actions destroyed the perception that AIDS is spread by touch. She said, “HIV does not make people dangerous you know, so you can shake their hand, or give them a hug. Heaven knows they need it.” Diana’s words changed many hearts and minds for the better, and along with them, the entire perception of AIDS transformed.

Banning Landmines

Another cause Princess Diana championed was the banning and removal of landmines. In war ridden areas of the world, landmines would commonly explode and leave many innocent people dead or without limbs. Princess Diana didn't care that this issue wasn't happening in her country; she still saw suffering and injustice, and knew she had to do something about it.



Princess Diana embracing a child battling HIV

She traveled to Angola; which had the largest amount of landmines at the time, and tirelessly advocated for change as a patron of the HALO Trust. A non-profit organization devoted to destroying landmines. She stood up for the thousands of victims of an unnecessary and dangerous device, and did so without concern for her own safety. One woman who had met her at a charity event said “She was one of the most genuine and noble people i’ve ever met.” Selfless actions like these are what earned her the nickname “The People’s Princess”.

Changing the Royal Family

Princess Diana did a large amount of philanthropy abroad and in front of the press, but she also quietly made some lesser known changes in the royal family. Before Diana, the royal family was seen as rigid and proper about how they attended public engagements. No members hugged, shook hands with, or even touched anyone who wasn’t part of the monarchy. But did Princess Diana conform to this stereotype? No! Not only was she cheerful and relaxed during public outings, she shook hands with, gave hugs to and laughed with all of the fans she encountered.

One AIDS victim who had the pleasure of meeting her is quoted saying “Princess Diana is the only person who made me feel normal while I battled HIV.” Her down to Earth and kind nature was one of the main things she’s remembered for.

In the short period that she was alive, Princess Diana transformed what it meant to be a princess and a person. She spent countless hours working to improve the world and make everyone feel accepted no matter what. It’s hard to think of anyone more compassionate and influential in philanthropy, or in the world. Even though she is gone, her legacy of inclusiveness and kindness lives on.

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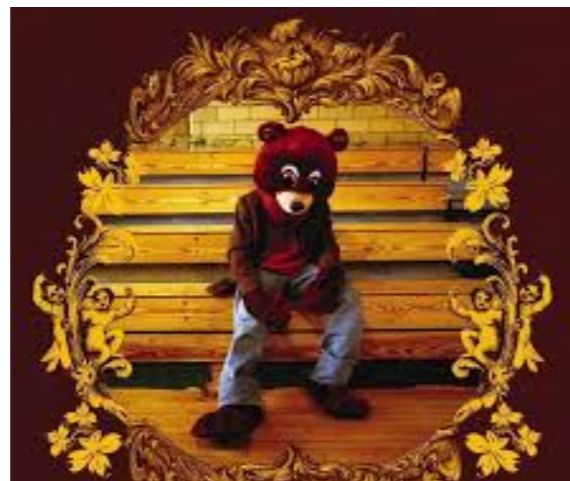
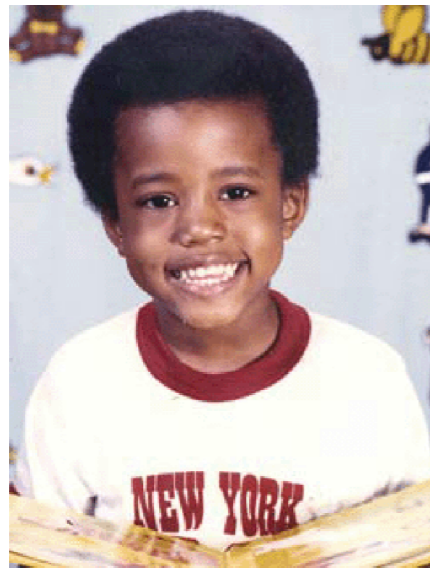
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Keeping Up With Kanye

By: Reede Newhouse

Kanye West. A name that means many different things to many different people. Father to some, husband to one, and world renowned musician and producer to many others. He is disliked by many, and may not be the first person you think of when you think of good doers in the world, but he has contributed a lot that has made the world a better place.

Kanye West's school picture at three years old in Chicago, Illinois.



"College Dropout" album

Moving Others With Music

One of the ways that Kanye has done good in the world is by influencing people through his music. Kanye West developed his love of music at the young age of three when he first began rapping. He later went to a school for the arts where he wrote his first album "College Dropout." That year, his album was nominated for ten Grammys and he landed his first record deal. It was an upward climb from there. Kanye has won over 20 Grammys with over 65 nominations. He racked up over 100 music awards nationally and nominated for over 350 worldwide. In addition, Kanye has six number one albums in the United States! His songs promote African American equality, perseverance, and strong will that has inspired many people including a lot of today's celebrities. "Kanye West is my favorite artist," says Drake, another famous music artist. "I loved all music, but Kanye West was the one who really changed everything for me," states Jon Bellion. Kanye has influenced many people through his music and delivered messages through his lyrics that a lot of people have connected to.

Giving With Gusto

Another way that Kanye is doing good in the world is through his generosity and appreciation towards others and his hometown. Kanye has openly spoke about being raised in Chicago and how the city shaped him into the artist and person that he is today. Because of this, he feels a strong need to giveback it his community. Kanye has donated over \$200,000 to Chicago as well as created 20,000 jobs for Chicago's homeless citizens. He also started an organization called Donda's House (named after his mother) recently created to help Chicago's youth program. The organization builds homes, delivers food, and finds jobs for homeless youth all over Chicago. In addition to helping his city, Kanye actively donates to over 23 charities. He gave \$150,000 to the family of Jemel Roberson, a security guard that was shot and killed, as well as \$10 million to an art foundation that he believes will build homes to change lives. As far as his generosity and selflessness to others he has given his music awards to artists he feels are more deserving of the prize. He asked that instead of baby shower gifts for North, (his daughter) people make donations to hospitals. He has given jobs to rappers on the streets as well as delivered his own shoes and giving free pairs to kids in poverty. Kanye's acts of generosity and appreciation have definitely changed the world for the better.

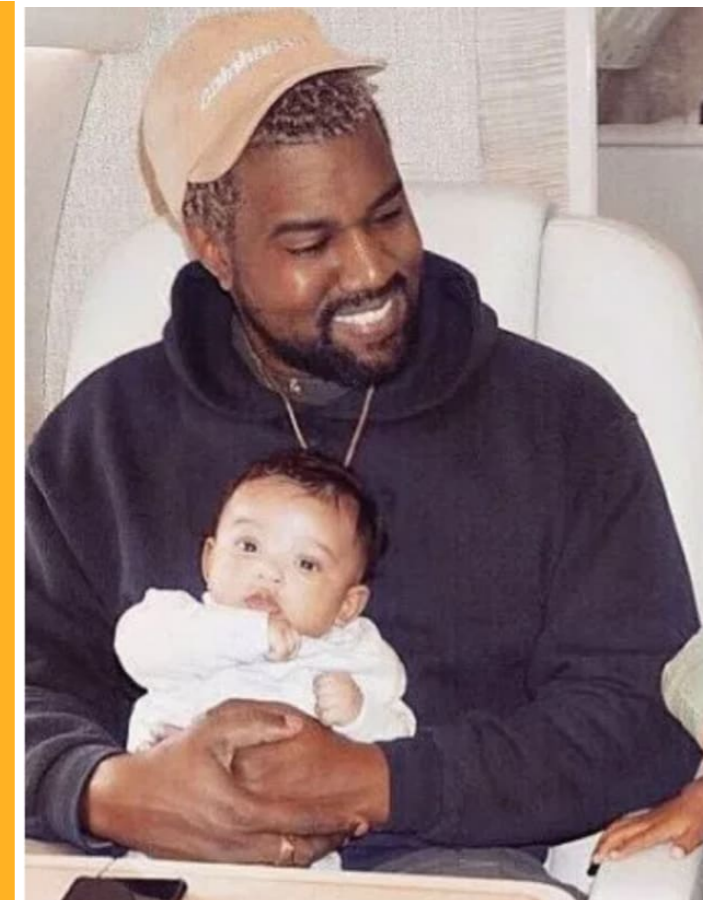
Staying True to Himself

In addition to his music and donations, Kanye has shown the world that standing up for what you believe in is important. Many of Kanye's decisions could be labeled as "controversial", but in every decision that he makes there's always a reason behind what he did, and he stands close by what he believes in. An example of this is his relationship with politics. Kanye is a loud and proud Trump supporter who's not afraid to speak about his political views. He gets attacked daily by vicious tweets or comments saying that he's "a disappointment to all African Americans" or that he should just "kill himself". How does he deal with all this hate? He stands up for what he believes in no matter how much hate he receives. Even though some people could call his acts controversial and not always agree with his decisions, he always stands by the choice that he thinks is right and stays true to himself and his morals.

Kanye has left his mark on the world and it sure is a big one! He has contributed to so many different causes and there is no doubt that the world is a better place because of him. You would be hard pressed to find a more creative and generous individual. Kanye has helped many people and hopefully will continue this kind trend throughout the rest of his life. "The good outweighs the bad even on your worst day"- Kanye West

"If you have the opportunity to play this game called life, you have to appreciate every moment. A lot of people don't appreciate their moment until it's passed." - Kanye West

Kanye West volunteering with hospitalized kids along with his wife Kim Kardashian in his childhood hometown of Chicago.



Abhinav Peri

Infant-et Lives

The die-hard blood donor:
James Harrison



The Road to Philanthropy

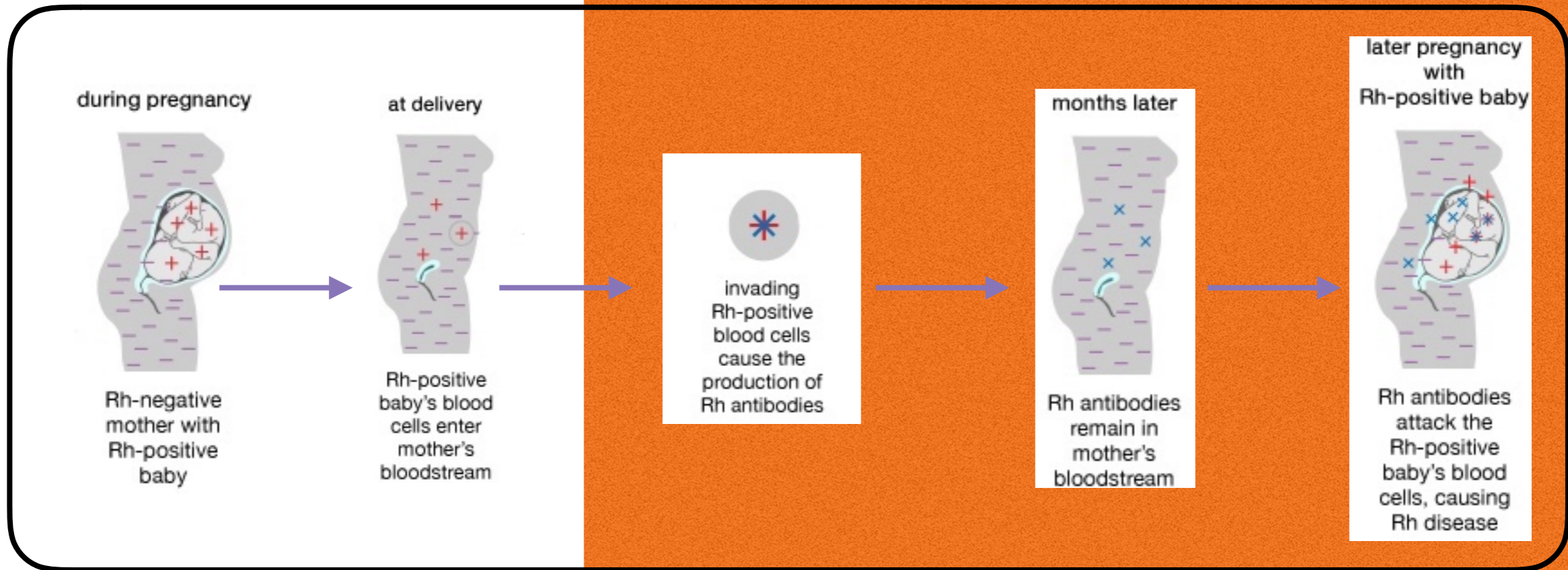
“Every ampul of Anti-D ever made in Australia has James in it...He has saved millions of babies. I cry just thinking about it.”

-Robyn Barlow Rh program coordinator

His name is James Harrison, and he is featured here for having one of the strangest hobbies: blood donation. His contributions saved the lives of 2.4 million babies costing him 63 years of his life. He surpassed the legal donation age to save many, and his kind of self-sacrifice gives pride to the human race. His journey may have started from humble beginnings, but it is certain that when it ends, it will end with glory and the world's tears.

His Journey Into Blood Donation

Not many people get into the area of blood donation. Nobody wants to waste their time, and people are too apathetic. However, James Harrison wasn't like everyone. His journey started when he was fourteen and on the verge of death. He was a patient who needed a blood donation to save his life after a major operation, and doctors were worried that he would not make. Thankfully, he got the donation which saved his life, but after the experience, he vowed to donate blood in the future. Ninety nine percent of the population wouldn't have kept that promise for more than a year-James was the exception. He started donating blood constantly at age 18 and stuck to it. You'd think that he was crazy and had some mad obsession with blood pumps. He was crazy, but he save many lives because of it. For some reason, God decided to bless humankind with James knowing that he would be enslaved to a life of needles, tubes, and pumps.



Rhesus Disease and Anti-D

Progression of Rhesus Disease

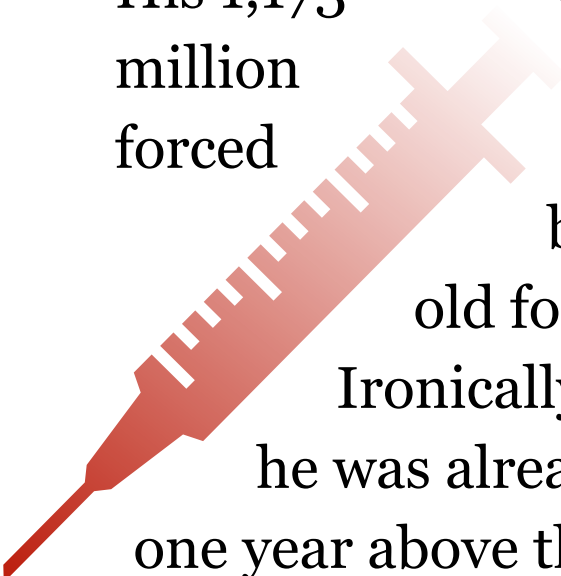
Later on in his blood donation career, he was approached by scientists to help them with their research in curing Rhesus Disease. Why? He had a valuable antibody in his blood that they had been searching blood banks to get. Rhesus disease occurs in mothers of a positive blood type with fetuses of a negative blood type. In some cases, the mother's immune cells will cross the placenta and sense the baby as foreign

material that needs to be aborted. As a result, thousands of babies die every year due to this disease. But when the scientists found that James had these antibodies, they had a solution. Using these antibodies, researchers made a serum, Anti-D, that stops the immune system from attacking the baby. This was game changing. All they needed was his blood, and James didn't hesitate when they asked.

His Impact and selflessness

His contributions to that program afterwards made a huge impact. His daughter was able to give birth to her children because of James and said, "Thank you dad for giving me the chance to have two healthy children — your grandchildren."

His 1,173 donations turned into 2.4 million lives saved. Sadly, he was forced to retire as he became too old for donation.

 Ironically, he was already one year above the mandatory retiring age showing his pure dedication. On his last day of donation though, he was thrown a party by all the parents of the children he had saved. He said, "Saving one baby is good. Saving two million is hard to

get your head around, but if they claim that's what it is, I'm glad to have done it." He ended up a national hero of Australia for it and in the Guinness World Records for most blood donated. He was an incredible person and his contributions will never be forgotten.

He saved 2.4
Million Babies

Conclusion

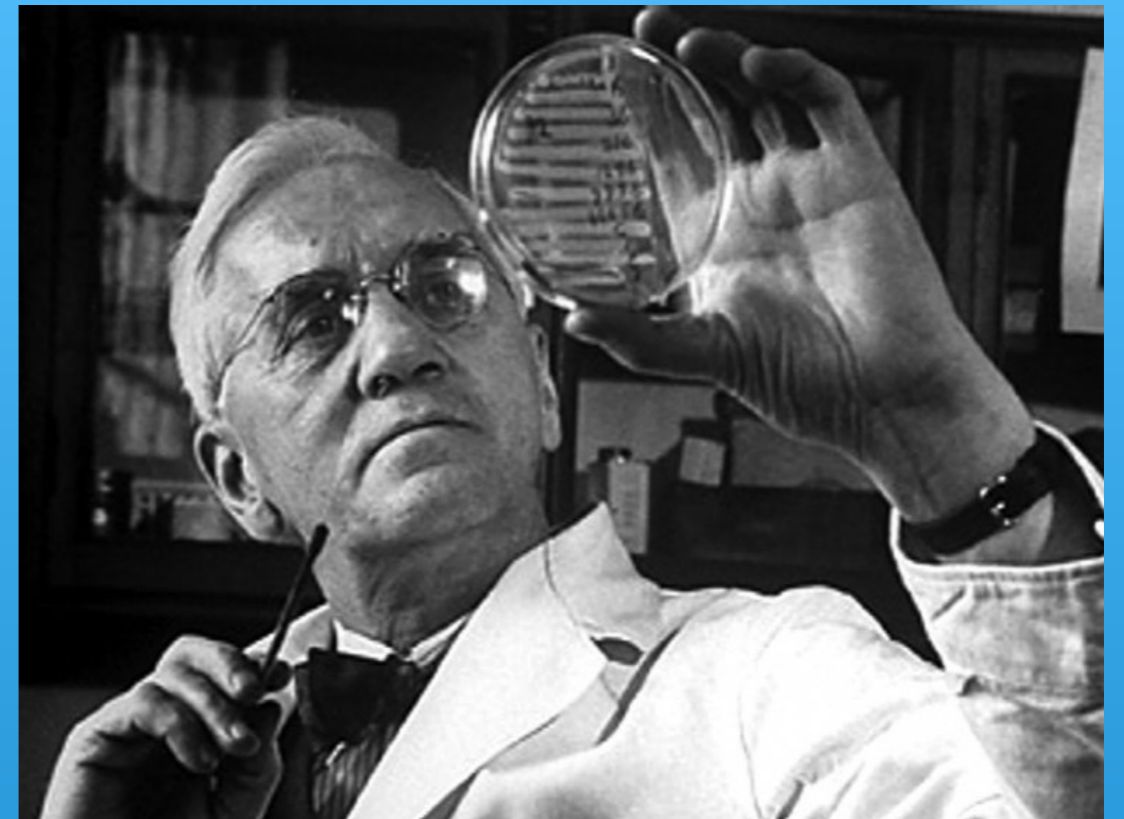
James has lived a boring life, but it has been filled with happiness. His heart has always given people hope and have inspired many. His contributions have done wonders. Thank God there are people like him in the world.

ALEXANDER FLEMING

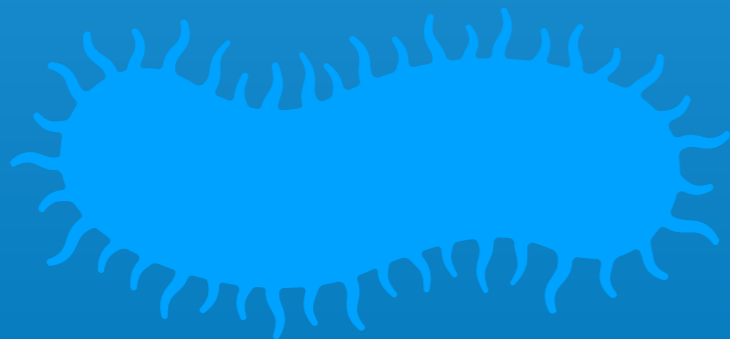
Many of the most important people in the world aren't known. People don't realize the importance that these people's discoveries have on their life. But what if this person's discoveries might as well be the reason you are alive and healthy?

Alexander Fleming was born August 6, 1881 in Darvel, Scotland. His parents were poor farmers, and they had to move around frequently. He attended many schools, and was very interested in the human body. Many of his friends said he should become a doctor. That would be a very influential idea in his life.

Eventually, he moved to London, where he attended the Royal Polytechnic Institution. He worked hard for four years at a shipping office; working extra shifts, and staying up all night saving his money to hopefully attend medical school. Finally, after inheriting money from his uncle, and was able to fulfill his dream of going to medical school. He shows that you can be anything you want to be if you work hard, it doesn't matter where you come from.

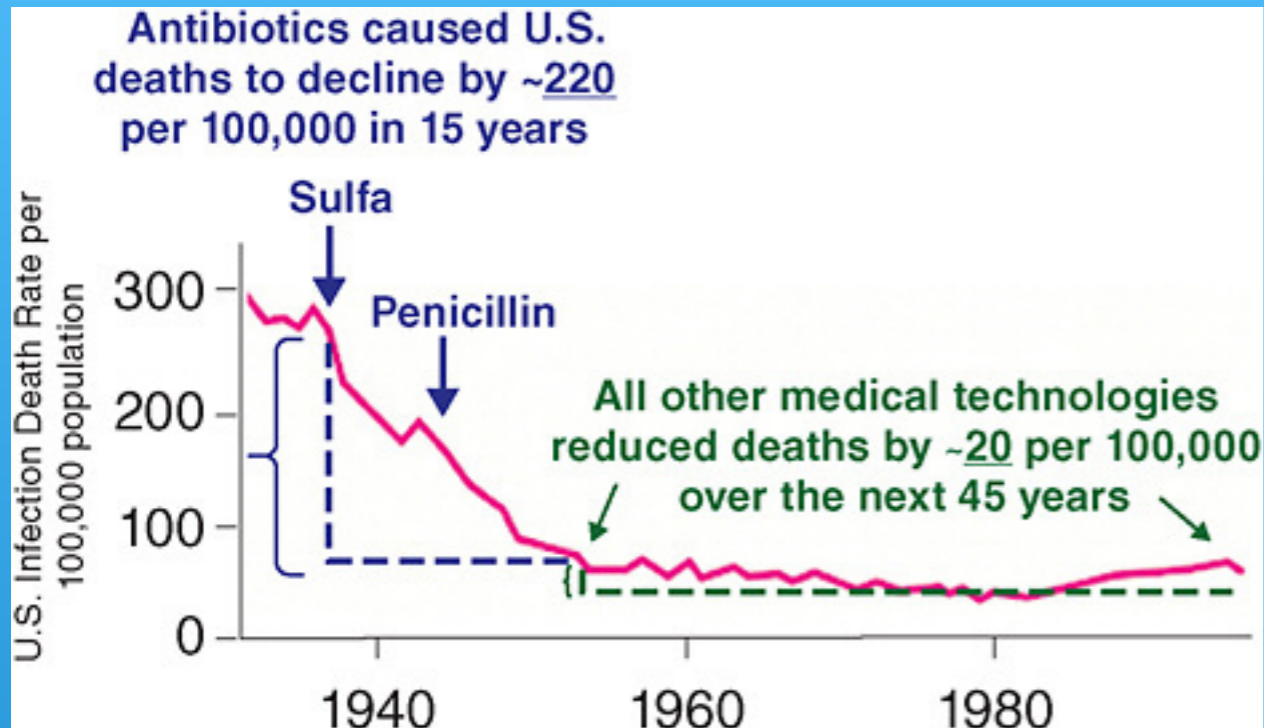


“One sometimes finds what one is not looking for”
— Alexander Fleming



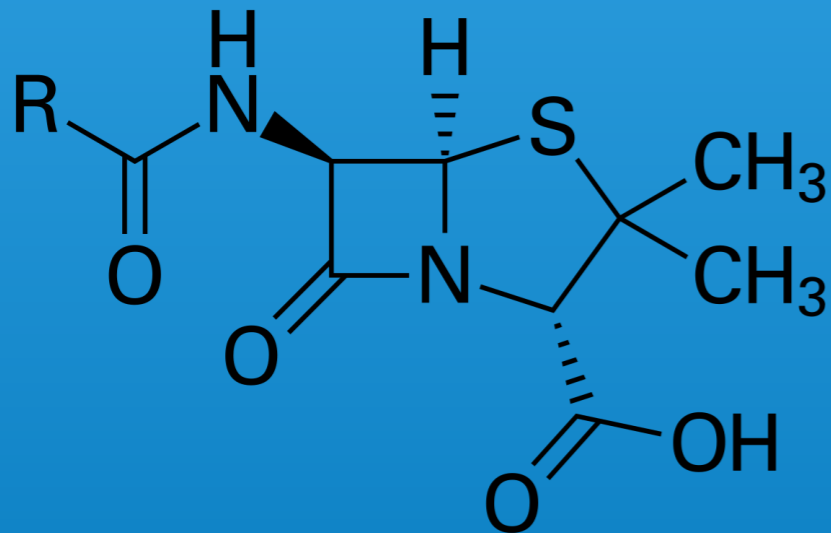
On the road to discovery

Percent of deaths after the release of penicillin



After graduating with honors, Alexander Fleming came back to the university to become the assistant of Sir Almroth Wright, a pioneer in immunology. He studied hard, but after sometime he had to join the Royal Army Royal Corps as a captain in World War 1. He served gallantly saving many people. Fleming also saw friends succumb from their injuries. He realized that many of the soldiers were dying from infections in their wounds. When he returned from the war, he decided that he would dedicate the rest of his life to finding a cure. It inspires people to dedicate to their work and passion.

During his time at St. Mary's Hospital, Alexander Fleming treated a patient with a severe cold. He left some of the patients mucus in a petri dish with bacteria. When he came back the next day, he discovered that the bacteria all around it was gone. He did not know that this discovery would revolutionize medicine forever. Fleming conducted more experiments and changed the name of the blue mold to penicillin. It shows that any ordinary person could change the world.



Penicillin Equation

Fleming's discovery is now used all around the world as antibacterial medicine. Millions of people lined up everywhere in the world to get vaccines. It's saved billions of lives from deadly diseases such as scarlet fever, pneumonia, and typhoid fever. He was knighted in 1944, and he won the Nobel prize in 1945 for his discovery. Alexander Fleming proved that a discovery—even an accidental one—could potentially change the world forever. In the case of Fleming, it did.

Coming From Behind to Win the Race

BY: ZACH RONES



Lance Armstrong speaking in front of a crowd

How he has helped the world

In this day and age, it's a sign of goodwill to donate lots of money to charity. Have you ever wanted to have the sufficient wealth and influence needed to start your own charity foundation? Lance Armstrong worked very hard throughout his life to do good in the world. He's helped people fight back against their cancer, supported many different charities, and showed people how to get back up when they have fallen down. Armstrong, although painted in a negative light to the public, has done all he can over the years to help out in his community.

Lance Armstrong has helped thousands of people in their battle with cancer. The issue is personal for him. In 1996, he was diagnosed with testicular cancer, and although he recovered later that year, he never forgot his experience, and he founded the Lance Armstrong Foundation. After recovering, he managed to win seven Tour de France titles in a row. The Lance Armstrong Foundation/LIVESTRONG helps raise money for cancer research. It runs different programs as well as conferences that help people fight through cancer. After raising over 2.5 million dollars by 2012, the foundation has raised over \$570 million. In addition, LIVESTRONG has helped over eight million different cancer patients in its 22 years of existence.

Lance Armstrong has donated to, and influenced many people to donate to lots of different charities. He has donated millions of dollars to Athletes For Hope, Angie's Quest, Buoniconti Fund to Cure Paralysis, and many more. Most of the charities that he has donated to are for cancer and medical research. Cancer has and still is a worldwide problem. It causes lots of people in every country throughout the planet to die. In 2018 alone, over 9.5 million deaths due to cancer were reported. He is trying to help that number go down. He has also helped raise money at charity events. At one charity event, he helped raise over 2.5 million dollars!



He has shown people that even if you lose everything, you can still come back and be successful. In 2012, people found out that he used performance-enhancing drugs to help him win his Tour de France titles. He was stripped of all his medals, and he lost contracts with big companies like Nike. That didn't stop him from trying to do good though. In 2016, he started the Move Podcast to help give people the ability to know what's happening in bike races. It puts on races in Colorado and Texas. It also breaks down the stages of the Tour de France for viewers who aren't that familiar with bike races, or who are unable to watch it anywhere else. The podcast has grown so big that corporate sponsors are starting to take notice.



It is projected to earn between \$700,000 and \$1,000,000 this year. Lance Armstrong also owns the company called WEDU.

Lance Armstrong is a very hard working man who tries his best to do good in the world. He may have cheated, but he has still done a lot of good and impactful for the people living on this planet.



MAKING THE WORLD A BETTER PLACE

2 Page Spread

FIRST
ROBOTICS



In 1989, FIRST, a company that creates and runs robotics programs for kids, was founded by American engineer, Dean Kamen. FIRST stands for "For Inspiration and Recognition of Science and Technology." There are 4 programs that FIRST has created: FLL (First LEGO League) Jr for K-4th graders, FLL for 5th-8th graders, FTC (First Tech Challenge) for 7th-12th graders, and FRC (First Robotics Challenge) for 9th-12th graders. Dean Kamen said when he founded FIRST that he "Predicts that participants will be responsible for significant technological advances in years to come." They certainly do. FIRST and their programs are very influential and important; They change the world for the better.

All FIRST participants are taught incredibly beneficial skills. Kids are made into teams that must work together for the rest of the season. FIRST has a section of the judging rubric called Core Values. These are the rules of conduct that teams must always use. This teaches kids cooperation in a group setting, sportsmanship, and leadership: all important skills for the future. Teams also must, obviously, build and program a robot. This gives kids invaluable engineering and coding skills, as the world becomes more technological. Being in FIRST Robotics also looks great on college applications, so kids are more likely to be accepted into college. All FIRST participants have a chance to earn tens of millions of dollars as college scholarships. Kids ARE the future, and helping them grow and flourish with these kinds of experiences to back them up will help the world grow better.



FIRST brings kids together from all places and backgrounds, and inspires them to better the world themselves. A big part of the rubric is the project section. Teams must find a problem related to the year's theme, and actually create a solution. For instance, a Westlake team, #2468 Team Appreciate, created The Lily Pad Project. This project creates and paints wooden attachments to IV poles for kids in hospitals. The patients can ride on the bottom of the IV poles using the "Lily Pads" while the parents and doctors push them. Anyone can participate, and many people and FIRST teams have. More than 450 Lily pads have been made, painted, and donated to local and international hospitals. If a team wins 1st place, their projects get funded and actually put in action. The team that won last year figured out a way to clean the river in their town that was their only water source, and their filtration system was put in motion in multiple places! FIRST teams all over the world are already making a difference.

I am currently on a FIRST team called Club Oreo. We are a fourth-year team, and we have made 4 different projects. This year, we created a process/way for astronauts to grow their own food in Mars' dirt, called Regolith. Since we made it to the national competition, there is a chance that our research and project could be sent to a company like NASA and put into motion. We have learned many things from FIRST, like mechanics, using pneumatics, and programming. We have also learned gracious professionalism. FIRST inspires kids and allows ideas that kids have become a reality to better the world.

All in all, FIRST is an incredible corporation. It gives kids the power to do great things with their revolutionary ideas. It teaches kids skills for the future, and gives them confidence. FIRST is making the world a better place, one kid at a time.

WEBSLINGER AND SORCERER FROM THE SHADOWS

The seldom-told story of Steve Ditko

When somebody thinks of Marvel, they normally think about Captain America, Iron Man, Thor, the Fantastic Four, Spider-Man, or the X-Men. However, if you ask that same person who created all of these beloved characters—and their respective villains—they will most likely respond with, “Stan Lee, of course!” Many people don’t realize, however, that one of America’s all-time favorite heroes, Spider-Man, wasn’t really Spider-Man until Steve Ditko came along.

Since the year 2002, there have been a total of 8 Spider-Man movies released. The most recent, Spider-Man: Into The Spider-Verse, won an Oscar for Best Animation. All of these recent movies find roots in one place: the work of Steve Ditko. When Spider-Man was first developed in the 60’s, Stan Lee, the founder and head honcho of Marvel Comics at the time, went to his lead artist, Jack Kirby, to draw a Spider-Man comic. Because Kirby portrayed him as a Superman-type character, with no feasible vulnerabilities, Lee rejected the proposal. Ditko, however, took the character and revolutionized him, making him into a relatable teenager, and making him wear a mask—very uncommon at the time—to represent the consequences of being a superhero. Spider-Man now had an alter ego; he was a nerdy kid from Queens named Peter Parker. Readers loved it. Spider-Man quickly became one of America’s favorite superheroes. Ditko reached many with Spider-Man, and the message remained: people, kids especially, had a superhero just like them.

In addition to creating Spider-Man, Ditko flexed a different muscle in Dr. Strange. Many people consider Dr. Strange, along with Thor, to be the epitome of Marvel in the 60’s: Psychedelia, the culture associated with mass drug use in the 60’s. Strange’s comics in particular drew widespread praise for the intricate, colorful panels that every issue offered. Ditko created and drew the Dr. Strange comic, giving Strange a different dimension to escape from each issue. He never lost his vision, as obscure and downright weird as it was. In 1966, Steve’s vision clashed with Marvel’s head honcho, Stan Lee. Their conflict involved an issue of Spider-Man. The identity of the villain from the last few issues, the Green Goblin, was going to be revealed: Lee wanted him to be the father of Peter Parker’s best friend, Harry Osborn. Ditko wanted him to be a random no name, as had been done with Electro earlier in the series. Lee won, and the next issue of Spider-Man introduced Norman Osborn as the Green Goblin. Ditko left Marvel later that year following more of the same disputes Lee. He never wavered from his way of thinking. Ditko provided a role model to artists everywhere to never compromise.



One of the first issues of Spider-Man, pictured on the cover facing off against the Green Goblin

Marvel continued on, with Stan Lee at its head, growing and nurturing the seeds planted in the 60's. Spider-Man became a bona fide hit, joining the Fantastic Four, the Avengers, and the uncanny X-Men as Marvel's A-listers.

Meanwhile, Ditko became a freelance comic/writer, bouncing around from studio to studio, eventually inspiring the dystopian R-rated film *The Watchmen*, during a stint at DC comics. While Marvel continued with its rampant success, Ditko never looked back. He was living his dream life, even getting back into horror comics, his background before Marvel. He showed that success is in the eye of the beholder. He never looked back at past successes, instead always looking forward to future ones.



As Ditko got older, Marvel drove into the future. They branched into merchandise and, after a few failed movies, went into severe debt. Marvel was forced to sell some of its most precious characters, including the Fantastic Four and all of their villains, Spider-Man and all of his, the various members of the X-Men, and their villains. Marvel had just lost their rights to virtually all of its moneymakers. Even the word "mutant" was copyrighted by Fox. In 2008, however, Marvel had a breakthrough. To the tune of *Back in Black* by AC/DC, Robert Downey Jr. and Marvel had a smashing success, a sign of things to come. The next decade would prove to be the age of Marvel on the silver screen, and the most successful film franchise ever was living the good life.

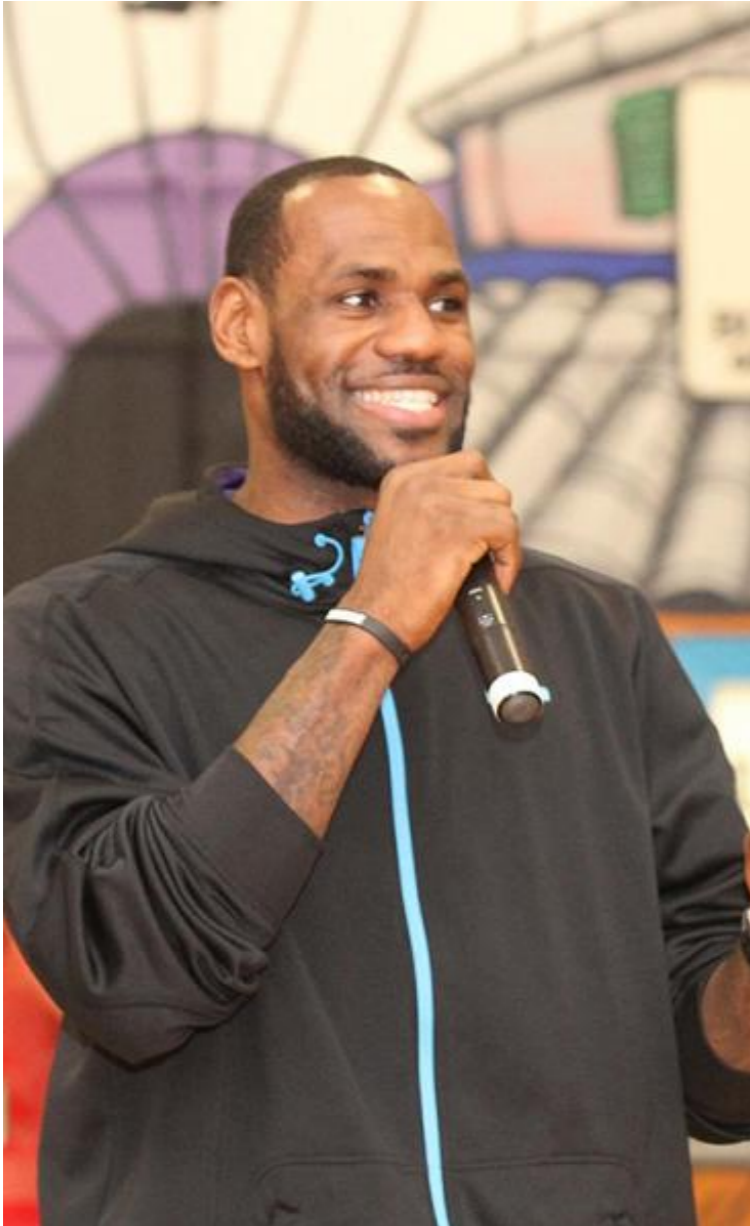
Ditko watched. He witnessed Stan Lee, his former partner, cameo in every single film throughout the Marvel Cinematic Universe. Two of those films, *Doctor Strange* and *Spider-Man: Homecoming*, were very much based on his ideas those 50 years earlier. However, Ditko never publicly complained about the royalties (or lack thereof) that he was receiving from these movies. He stayed low-profile, continuing to work as a freelancer. Steve Ditko, a true artist, saw a good thing and knew not to mess with it, even if he very much had the right to. The result has been an unprecedented impact on people's lives, through comics and movies alike. Ditko was one of the greatest role models ever, in terms of not holding grudges.

Steve Ditko was an unsung hero, a key cog in our favorite heroes today. He was the true artist, obsessively devoted to his craft, but knowing when to let go and see his creation far outlive himself. Ditko did good by working, not saying and advertising. And most importantly, he never looked back, even to his death last year, 2018. Steve Ditko will continue to live on, through countless future generations of Spider-Man and Dr. Strange.

~By Mitchell Schultz

From the Court to the Community

BY RYAN SPENCER



LeBron talking at an assembly at the IPROMISE School

When you think of a professional basketball player, most people think of a person who shows off their money, gets in trouble, and doesn't help out in the community. LeBron James is the opposite. This is why LeBron is not a "normal" basketball player.

LeBron James positively influences people in poor neighborhoods, who are struggling to pay their bills, and have no support from friends or family to pursue their dreams to do so. LeBron is one of the best basketball players to ever play. He has won 3 NBA Championships, played for USA 3 times, and won MVP 4 times. Growing up with a single mother, LeBron experienced poverty multiple times. Most days, LeBron didn't even know if he was going to eat dinner or not. LeBron moved a lot with his mom while she was struggling to find a job. At the age of 9, LeBron moved in with his football coach. "I just grabbed my little backpack, which held all the possessions I needed," he said, "and said to myself what I always said to myself: It's time to roll." How do you think this has affected LeBron? Now, LeBron is one of the most recognized athletes in the world, and there are many young kids who look up to LeBron on a daily basis.

For the past 9 years, LeBron has been working on starting a school in his hometown, Akron, Ohio. He has spent more than 12 million dollars on this project. He has sacrificed lots of time and money to create this opportunity for the less privileged kids of Akron. Every student gets free tuition to the school, free uniforms, free breakfast, free lunch, free snacks, a free bike, a free helmet, access to the Akron food pantry, free tuition to the University of Akron, and job placement for parents. LeBron has put so much work into his school that the Obamas have recognized him on social media and TV multiple times.

FROM THE COURT TO THE COMMUNITY

LeBron has defined the “norm” of being an NBA player. When most people think of NBA players, they think of arrogant 20-30 year olds, who get caught yelling at the ref, getting caught up in drama with their teammates. LeBron has changed the NBA stereotype. People criticize LeBron because he is “too” good. He is actually a very family oriented, humble man. Three years ago, LeBron married his high school sweetheart, the mother of his 3 kids. When not playing basketball, LeBron watches his two sons play basketball, his daughter do gymnastics, and works out.

LeBron has impacted society in great ways. Hopefully he continues to inspire people to set aside their



The I PROMISE SCHOOL

weaknesses, traumatic childhoods, violent pasts, and continue to do what they love no matter what anybody says. He has proven that you can accomplish anything. In his own words “I am just a kid from Akron”. His impact goes far beyond the court.

Lebron’s highlights

https://m.youtube.com/watch?v=BQzPmzZgF_0

Why Elon Musk is a Good Person

Elon Musk has impacted the world in a positive way. He is a good person and has done things that have helped the world advance .

To start with Elon Musk is very intelligent. Elon Musk is an entrepreneur and has started and is the CEO of several different companies, and most of the time big companies are good for the economy. Pay-pal is one of the companies Elon Musk is a co CEO of. Pay Pal helps people keep track of their money and therefore improves quality of life. Another is Space X. Space X is one of the most well-known space agencies in the world. Space X is making new technology that can be used for further space exploration.

Another reason Elon Musk is just generally liked is that he doesn't talk about his personal life. Elon said, "I



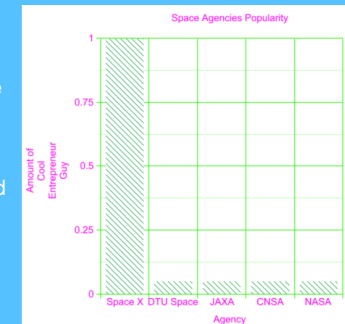
would rather stab a fork in my hand than talk about my personal life." He keeps things to himself. That doesn't necessarily make him a good person in general, but in a famous person it is nice when they keep their two lives separate. Think of the Kardashians, if they didn't talk about every time one of them got a haircut, people may not dislike them. Although every single detail about their

lives is in the news so it just gets annoying. This makes Elon more likable in general so it makes the next reason even more convincing.

Elon musk relates to many different demographics. One he is a billionaire and successful businessman so he can relate to the business world. Two he has three different citizenships: U.S., South African, and Canadian. So that makes him even more popular. He relates to people in those other country's so more people know about his success. Third, and the most compelling reason he is a good person, Elon Musk is involved in the internet community. That might not sound like much, but the fact that he enjoys some of the same things as the younger generations makes being successful not look like an impossible feat. It makes

them think if he can do it I can so they will work harder at their goals that don't seem as impossible. In conclusion Elon is globally known and well liked.

He isn't making any big charity or donating loads of money, but he is shaping the future economy through being a positive influence on the younger generation. Elon hosted a show that is enjoyed by younger people. He is doing other great things in this world or out of this world.



From wealthy to holy

BY GRANT WAINWRIGHT



Barnabas helping

Becoming St. Barnabas

Have you ever heard of christianity? Christianity is spread through the world every day, and long ago In the middle, a wealthy man was able to find the religion growing inside of him. Joseph was a wealthy man who later started to support the apostles. He bought a piece of land and gave it to the apostles in order for them to worship god. Because of all the wonders that he did, he was given the name Barnabas (son of encouragement.) He once said "Family is the only real wealth"

St. Barnabas participated in a number of crucial moments for the church. He was the main person to convert Saul into St. Paul. Because of it, he and St. Paul were "the first great missionary outreach to gentiles." He also gave a testimony to the council of Jerusalem to convert gentile to gentiles. Sadly, he disappears and is remembered as a saint.

How St. Barnabas helped

St. Barnabas was involved with a number of things in the community. He became good friends with Saul, "the persecutor," who later became St Paul. He was a large supporter of the apostles. He also served in a temple of selected priests that helped the community called the (temple of priests.)



Barnabas protecting people

Not only did St Barnabas do great deeds, to honor the things that he did he got a church in his name . His church gave great benefits . Also, it was able to welcome a very important person, St Paul, and through his church, St Paul was able to have the right to move freely of the disciples.

St Barnabas and St Paul went on to do many things and miracles. They preached in front of large crowds many times. Sadly, all good things come to an end. They both decided to part ways, after St Barnabas wanted to go from town to town and find believers. Paul didn't want to return to all the people he

abandoned. Barnabas decided to sail to Cyprus, and Paul went to Silas.



Peace Talks and Peace Walks

By Madison Yang

“If we want to reap the harvest of peace and justice in the future, we will have to sow the seeds of nonviolence, here and now, in the present.”

There are many peace activists in the world, as many as there are countries in Europe. From one of those countries came a true peace activist, who later changed those both around her and around the world, and yet, is not well known for it. Born in Northern Ireland, Mairead Maguire is playing a leading role in promoting the good in the world, even today.

Mairead Maguire is a very ethical person with virtues and goodwill. She is very involved in society, fighting for the goals she believes in, even in her youth. Being anti-war and pro-life, she is against abortion, euthanization, capital punishment, and many other inhumane concepts. In the past, she has volunteered for the Legion of Mary, a Catholic organization. She visited inmates in Long Kesh and looked after children, orphans or not, as a part of that organization. Yet the concept she supports the most is world peace. Not only does she believe in world peace, she also brings like-minded others together to stand for what they believe in. Traveling the world, she spreads the idea of world peace to people in all areas. She has founded and co-founded many organizations that are filled with people who support her beliefs, such as the Community for Peace People. In the first marches the Community for Peace People led in the call for peace in Ireland, she brought together over 10,000 individuals who saw her efforts, her beliefs, and her feelings, and supported her ideals. They decided to help her fight for world peace.

Of course, fighting for peace using violence makes no sense, right? Mairead Maguire doesn't fight with violence. Instead, she makes her voice heard, using peaceful protests and peace marches. "We have to start from the fact that there are always alternatives to violence," she says. The Community for Peace People gives a good example yet again. They were organized in response to a tragic and brutal accident: the deaths of three children who were hit by a car driven by a member of the PIRA in the Finaghy Road incident. Such a violent event, and yet they protest only by marching through the streets and visiting the graves of the children. They set an example for the peaceful world that they desire.



Nobel Peace Prize laureate Mairead Maguire

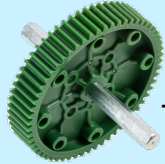
Mairead Maguire is also hardworking, perseverent, and very active. She has participated in many campaigns and petitions, including ending the house arrest of peace-supporting poem writer Liu Xiaobo, signing to free Turkey's Kurdish leader of his solitary, lifelong confinement on prison island İmralı, and attempting to enter Myanmar in protest against the imprisonment of the leader Aung San Suu Kyi. In addition, not only does she work hard in her fight for peace, but her efforts have results as well. Peace rallies and marches Mairead Maguire started against the conflict in Ireland as a part of the Community for Peace People have called more than 35,000 people to participate, and the violence rate in Ireland and the UK decreased by seventy percent. She has won the Nobel Peace Prize

and many other awards, such as the Distinguished Peace Leadership Award from the Nuclear Age Peace Foundation. They have recognized and acknowledged her efforts and perseverance and the results of her struggle as well.

Mairead Maguire has, and continues to make an impact on countries around the world. She is even involved in the protest against the current conflict in Iraq and Afghanistan, petitioning for peace so that the US soldiers can come back and the innocent in Iraq and Afghanistan are spared. Even though her name is not among the widely known and famous, she still works hard to spread good in the world.

The STEM Revolution

BY: RYAN YU



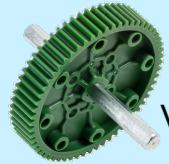
Tony Norman and Bob Mimlitch—VEX’s founders—started what would become one of the biggest robotics programs in the world. VEX strives to teach students and interest them in STEM as well as try to give any participant a good learning experience. Participating in VEX helps students interested in STEM... but it also helps those who aren’t. For all of those reasons and more, VEX makes the world a better place.



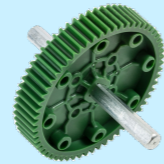
By teaching students STEM, VEX gives many students a hobby that can turn into a career. VEX is helping the world as a whole make technological advances. People in STEM fields have created medical, military, and agricultural robots which help the people in that robot’s respective area. For example: autonomous missile firing robots that keep American troops safe from incoming missiles(military robots), fruit-picking robots and driverless tractors(agricultural robots), and surgical robots(medical robots). Robotics encompasses all aspects of STEM—science, technology, engineering, and mathematics. How does STEM not help and advance society?



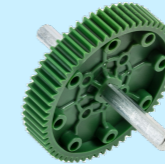
Bob Mimlitch(left) and Tony Norman(right)



VEX delivers a good learning experience for students around the world. VEX has over 1,000,000 students in over 50 different countries competing. All students are allowed to participate—elementary, middle, high school, and college students. Elementary students compete in VEX IQ, and middle school through high school students compete in VEX EDR. College students participate in VEX U. They have both metal(EDR) and plastic(IQ) parts for different levels of experience. They also have starter kits available for beginners as well as an abundance of expansion kits that contain special parts. Therefore, people who only want to build a simple robot won't be forced to buy extra parts, and people who want to build complicated robots have the option of doing so.



While it is one of their goals to help teach STEM oriented students, VEX also helps those who don't want to pursue STEM careers. In addition to the building and programming aspect, VEX integrates a notebook and presentation aspect. It is highly encouraged to keep an engineering notebook(a notebook in which you document what your robot does and what your team did to get where they are) which is essential to getting an award and can advance a team to the next level. Keeping an engineering notebook helps students learn how to document their work and hone their presentation skills. During the competition, students are subjected to a judges interview which is when the team tells the judges about their robot. These aspects helps them with presentation, a skill used in almost all careers.



People in STEM careers help both themselves and the world. By introducing young students to STEM early in their lives, they start those students off on a good path. Those students then have a better chance to have a good job and to make a difference in the world. For those that don't want to pursue STEM careers, VEX improves both their researching and presentation skills which they can use in their chosen career. VEX encompasses all grade levels, making sure that everybody has a chance.

Why The Manhattan Project Did Good In This World

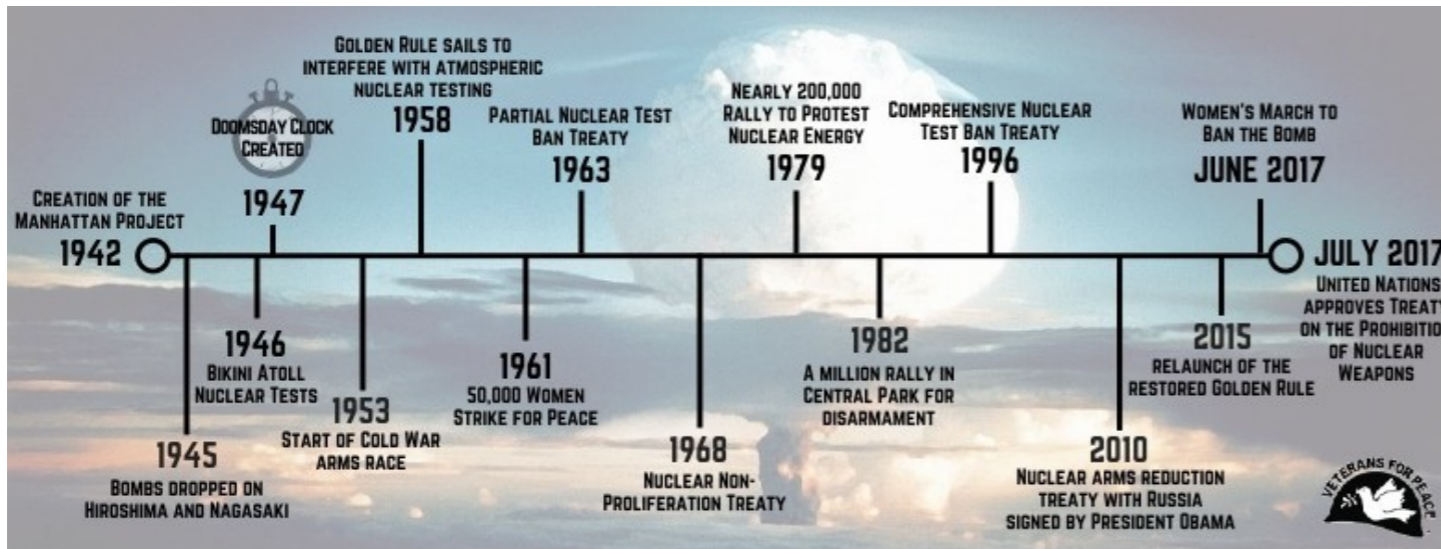
By: Allan Zhou

WWII was a deadly and depressing time. In Germany and Japan, thousands of families were separated and taken into torturous concentration camps. A solution was desperately needed to terminate the killings because people were being slaughtered left and right. The Manhattan Project was established when Einstein stated that it may be possible to set up a nuclear chain reaction in a large mass of uranium, something Germany had discovered months ago. The Americans ramped up their undertaking and surged forward when they found out that Germany was already progressing swiftly on their



The first reason the Manhattan Project is virtuous is because it saved thousands of lives. People think that the war could have ended without the bombs being used on Hiroshima and Nagasaki. However, most people didn't know that Japanese soldiers were jumping off cliffs because their leaders wouldn't surrender in the war. Most people didn't know that about 7,000 soldiers would choose suicide over surrender, even when the Americans declared that the war was over. Was this their fault? No! The soldiers would have fought to the last man because they didn't have another choice; their leaders were too egotistical to realize they were fighting a losing war. Using the nuclear bombs was the only way to get the Japanese to understand the situation they were in. Within a week of the second detonation, Japan announced unconditional surrender.

The second reason the Manhattan Project did good in the world is that it gave people opportunities. We discovered plutonium because of the ongoing war. This substance went on to fuel the Americans in their race against the Germans. Plutonium-239 is one of the very few isotopes that will even undergo nuclear fission. Enrico Fermi was the first to realize the huge amount of potential nuclear energy had in Einstein's famous equation $e=mc^2$. Armed with this information, he went on to discover nuclear fission, pioneered the nuclear field, and was nicknamed "The architect of the nuclear age."



Timeline of the Manhattan Project

The Manhattan Project did sensible work, and people now know what could have happened if the atomic bomb weren't created. The Manhattan Project is indeed more than what appears on the surface. War and its deaths cannot be prevented, but the damage can be lessened with the help of the atomic bomb. The Manhattan Project has created a positive and lasting difference for the people of Earth. because the US succeeded in initiating the atomic bomb.

Lastly, the Manhattan Project allowed people to come together and connect. The allied powers came together to try and stop the Axis powers. The allied powers had to work together and deliver troops, supplies, and machinery to Europe. Besides this, there were over 30 major Manhattan Project sites built in Allied territory. Organized raids were created to take down plants in Germany and France. Because of this, the Allied powers came together as one and subdued the Axis powers after a gruesome six years.



Said after witnessing the Trinity bomb test

First and Last Name**Works Cited**

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