

Ms. Ganoza's Class Technology Changes

2013-2014

The Camera

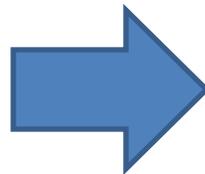
Alicja

Introduction

People use the camera to take pictures for memories and albums . The camera can also be used to entertain you and hold your pictures .We can learn history from these pictures.



First, people painted or drew



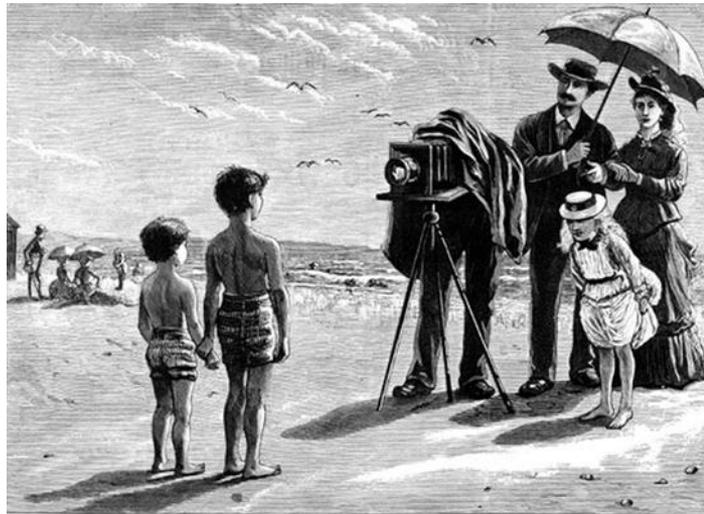
Then it changed to the daguerreotype camera

What Was It Used For

The daguerreotype camera is special because it was one of the first cameras ever and it also took the first pictures. You could save the pictures in an album. The parts were a small opening ,a big wooden box and a thin piece of copper.

It was created in 1837.

Before it was invented, people painted or drew. A problem with that was you had to stand still for hours to get there portrait painted before the camera was invented .



THE SEASIDE ARTIST.—[Not Fair 60c.]

How Is It Positive

It was helpful because the pictures looked very real and you can keep happy memories. You don't have to stand for hours also it could create an image.

Some problems might be the picture couldn't be copied and it took 30 minutes for the image to form. The pictures were black and white also the camera was very expensive.



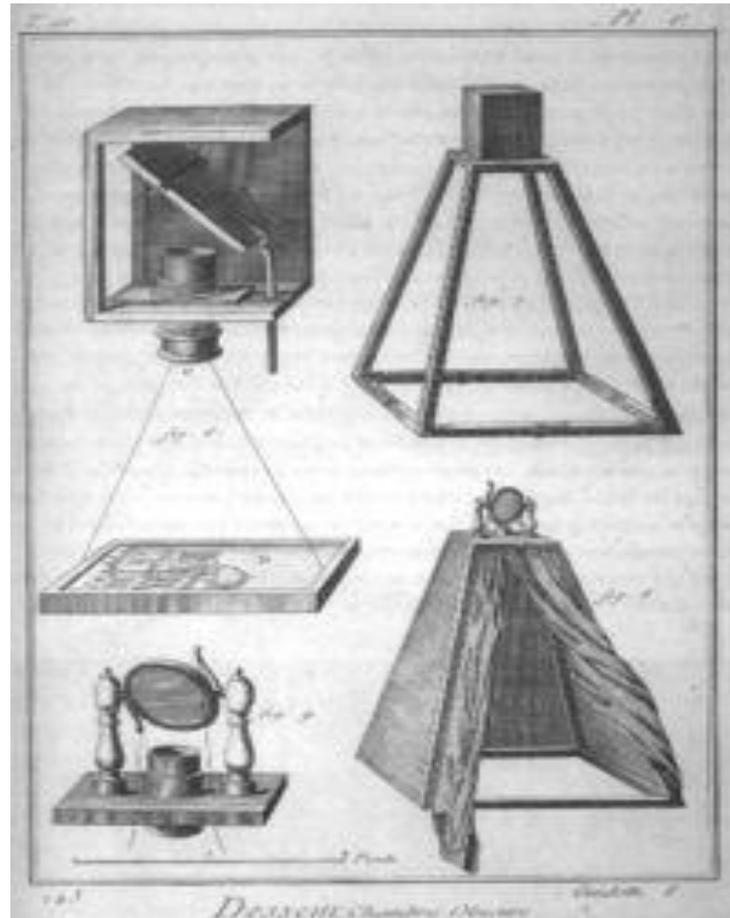
Changing Lives

People's lives were changed in a positive way because you don't have to stand for a long time and it looks real.

People's lives were changed in a negative way because was black and white also it was blurry. You can only have one copy of the picture.

My Opinion

Overall, I think the change from paintings and drawings to the camera is positive because it doesn't use electricity. Also you can keep a memory.



The Camera

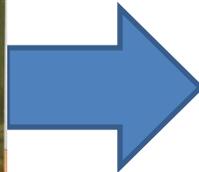
Gemma

Introduction

People use the camera to take pictures and videos so you can make memories of your family.



First, it was paintings



Then it changed to Digital Camera

Special

The digital camera is special because it has a lot of pixels which makes the picture clearer. They do not have a roll of film and instead have memory cards. Digital cameras have memory cards so you can take it somewhere and get the pictures printed. The pictures have colors.

It was created between 1900-1999.

Before it was invented people had film cameras and they had paintings of their families in your homes.



Good and Bad

It was helpful because it is small so you can take it in you pocket. You can also print the pictures.

Some problems might be it can go under the water.



Changing Lives

People's lives were changed in a positive way because it is smaller than the film camera and you can print pictures.

People's lives were changed in a negative way because it can not go under the water.

My Opinion

Overall, I think the change from Film camera to the digital camera is positive because it is easily available and affordable. It is also easy to understand.

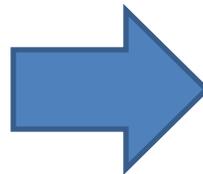
Take It

Malcolm

People use the camera to remember things. Not many people can buy daguerreotypes any more because they were very expensive.



First, it was paintings and drawings.



IT WORKS LIKE A KODAK.

You can make Good Pictures with a Brownie Camera.

Every step is simple, even the developing is done without a dark-room. It makes fun for the rainy days indoors as well as for the bright days outdoors.

Brownies, \$1 to \$9. Write for the booklet of the Kodak Box.

EASTMAN KODAK CO., 358 State Street, Rochester, N. Y.

Then it changed to daguerreotypes.

What Is Special

The film camera is special because they have film. Film cameras are better than the daguerreotype because they don't take as long. The film camera has a special item called the film.

It was created between 1900-1999.

Before it was invented people used the daguerreotype. Before that, people used paintings and drawings.



It Changes Lives

People's lives were changed in a positive way because

People's lives were changed in a negative way because



It was helpful because it didn't take 15 minutes and the film camera took much shorter. You don't have to wait 30 or 20 minutes for the picture.

Some problems might be you need to developed it.



My Opinion

Overall, I think the change from daguerreotype to film camera is positive because you don't have to wait 30 minutes in the same position for someone to take one single, boring picture.

The Camera

Quinn

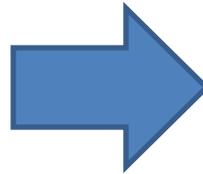
Introduction

People use the camera to take pictures of people, things or land marks. Cameras are also used for remembering places.



Copyright by Agfa in Photographica 2.10.1878

First, people used the Daguerreotype.



Then it changed to the film camera

It Is Special Because...

The film camera is special because it used rolls of film. It's also special because it didn't use complicated plates.

It was created between 1900-1999.

Before it was invented, people used the daguerreotype, paintings and drawings.



A roll of film

Good and Bad

It was helpful because it was easy to carry so you could take it places. And you could print lots of the same photo so you could give a copy to relatives .

Some problems might be it took hours to develop a photo. No one saw the photo till it came out of a special lab.



Changing Lives

People's lives were changed in a positive way because it was small so you could take it almost anywhere.

People's lives were changed in a negative way because if you wanted to take a lot of photos it would be very expensive.

My Opinion

Overall, I think the change from daguerreotype to film camera is positive because it was very easy to find and a lot of people could afford it. Also it was so easy to take the photo all you had to do was push a button.

The Camera

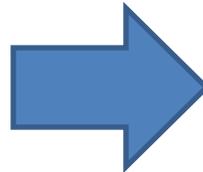
Sebastien

Introduction

People use the camera to restore their old memories and it takes pictures.



First, it was Daguerreotype



Then it changed to Digital camera

Film camera

The digital camera is special because it takes pictures and videos.

It was created in the year 2000 or later.

Before it was invented people used it, they used Film cameras. You couldn't take videos.



Negative and positive

It was helpful because you did not have to spend money for people to draw you or wait 1 hour.

Some problems might be you can lose it since it is so small. You also can break it if it falls.



Changing Lives

People's lives were changed in a positive way because you didn't need to stand for a long time. You can also take as many pictures as you want.

People's lives were changed in a negative way because digital camera were so small you could lose it.



My Opinion

Overall, I think the change from film to digital is positive because the digital camera took a short time to take a picture.

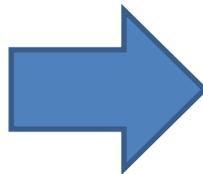


The Light Bulb

Allen

Introduction

People use the light bulb to help us see things. It also heats things.



First, it was candles.

Then it changed to light bulbs.

All About Light Bulbs

The incandescent bulb is special because it uses electricity and would last for a long time.

It was created before 1900.

Before it was invented, people used wax candles and lamps that burned oil. People also got light from the sun.



Ways it's helpful and problems it has

It was helpful because people need light so they can see things.

Light bulbs were much safer than candles and oil lamps. Light bulbs could be much brighter.

Some problems might be they break easily and they get hot.

They can start fires.

Changing Lives

People's lives were changed in a positive way because it lasts longer and stays on better. Flash lights last longer so you can find where to go.

People's lives were changed in a negative way because it uses energy, it can break easily and it can run out.

My Opinion

Overall, I think the change from candles to light bulb is positive because I can see stuff when it's in the dark and it's easy to use.

The Light Bulb

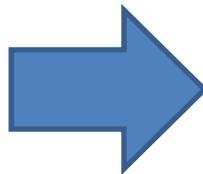
Charlie

Introduction

People use the light bulb to see in the dark. If you can't see in the dark the light bulb can help you.



First, it was a candle.



Then it changed to a light bulb.



How CFLs are Special

The CFL light bulb is special because it can shine light very well and you don't have to throw it away. You can recycle it.

It was created between 1900-1999.

Before it was invented, people used regular light bulbs and had to throw them away when they were broken. Earlier, they used candles to see in the dark. Before candles, people just used sunlight.

How it help and problems it has.

It was helpful because CFLs use much less electricity and they are also cheaper. They last a lot longer and are recyclable.

Some problems might be if they break it can make people sick because it has mercury inside.

Changing Lives

People's lives were changed in a positive way because they can see in the dark and because people didn't have to go to sleep because they can't see anything.

People's lives were changed in a negative way because CFLs use electricity.

My Opinion

Overall, I think the change from light bulbs to CFLs is positive because it's cheaper and they can also last longer.

The Light Bulb

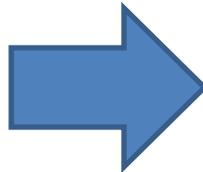
By: Diego

Introduction

People use the light bulb to make light when it's dark. Also it's used for heating things.



First, it was an incandescent bulb.



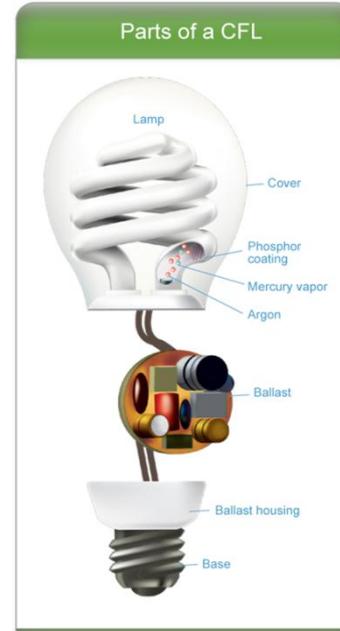
Then it changed to CFL bulb.

What makes it special

The CFL is special because the energy saving light bulb uses less electricity. Another word used instead of energy saving light bulb is CFL. There's also 8 parts to a CFL: the lamp, cover, phosphorous coating, mercury vapor, argon, ballast, ballast housing, and the base.

It was created between 1900 and 1999.

Before it was invented, people used candles, sunlight, incandescent bulbs, oil lamps, and firewood.



How it's Helpful and Problems

It was helpful because it saves energy and it's not as hot. CFLs got cheaper. They last longer so you don't have to spend more money.

Some problems might be the CFL is more expensive. They are more dangerous. CFLs have dangerous chemicals like mercury and argon.



Changing Lives

People's lives were changed in a positive way because it could save electricity and saves power. You don't have to buy as many light bulbs because CFLs last longer.

People's lives were changed in a negative way because when it breaks it can hurt the environment including us. It releases dangerous gases like mercury and argon.

My Opinion

Overall, I think the change from light bulb to CFL is positive because it lasts longer and saves money.

The Light Bulb

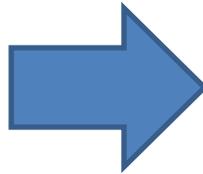
Reese

Introduction

People use the light bulb to light houses, read, and also to heat things.



First people used candles.



Then it changed to incandescent bulbs and then CFL.

It is Special

The CFL is special because you can recycle it, it saves energy, and lasts longer. You also don't have to replace it so much.

It was created between 1900-1999.

Before it was invented, people used incandescent bulbs, also oil lamps, candle light, and sunlight.



How it Helps and Problems it Has

It was helpful because it is environmentally friendly, takes less energy, lasts a long time, and saves money. It is environmentally friendly because it doesn't take as much energy as the old light bulb.

Some problems might be some people think it is too bright and they don't like it, mercury gas is dangerous and can make people sick if a CFL breaks mercury escapes so grownups have to be careful about cleaning up a broken CFL they must be taken to a hazardous materials center.



Changing Lives

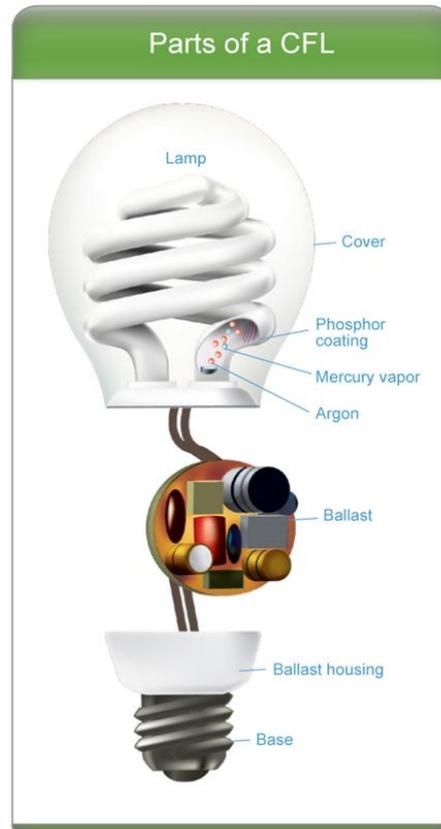
People's lives were changed in a positive way because the CFL is cheap and easily affordable it is special because you can recycle it and it saves energy and it is easy to find.

People's lives were changed in a negative way because some people think it is too bright and can make people sick.



My Opinion

Overall, I think the change from the fluorescent bulb to the CFL is positive because it is safe, lasts longer and you can see more in the dark.



The Light Bulb

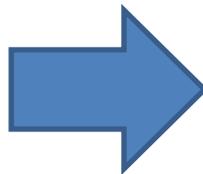
Riley

Light bulbs help you see at night

People use light bulb to see at night and see when its dark in the day time.
Some light bulbs heat your homes



First, it was a candles



Then it changed to light bulb

Special light bulbs

The incandescent light bulb is special because it was created in 2000 or later
Before it was invented, people had to use candles or lamps

Helpful light bulbs

It was helpful because it would light a whole room it is safer and easier than candles

Some problems might be the light bulb can be hot when you touch it uses a lot of electricity.

Light bulbs change your life

People's lives were changed in a positive way because

People's lives were changed in a negative way because the light bulb would stay in way longer when you used candles the could cause a fire if they got knocked down

My thought about light bulbs.

Overall, I think the change from candles to incandescent light bulbs were positive because I think a light bulb is really important to the environment. You should take care of our light bulbs since they were helpful to you when you really need light.



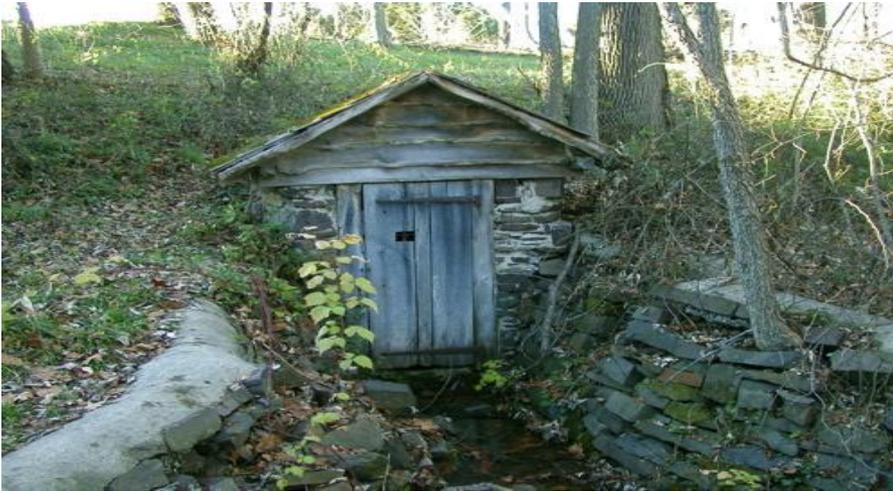
The Refrigerator

Caroline



Introduction

People use the refrigerator to keep food fresh and cold.



First, it was the springhouse



Then it changed to the ice box

How it's Special

The ice box is special because it keeps butter cold.

It was created between 1900-1999.

Before it was invented, people used spring houses. Sometimes they would put foods in caves!



Is it HELPFUL?

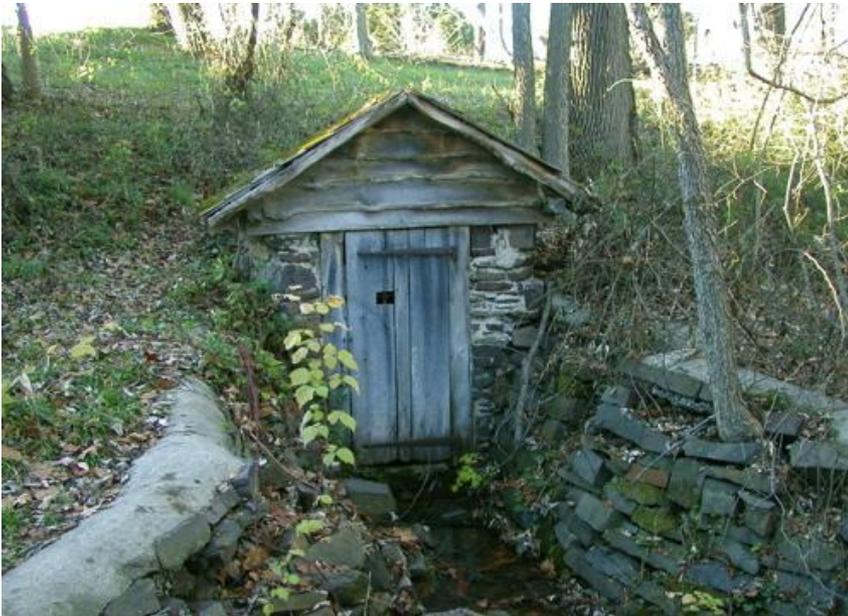
It was helpful because it keeps food fresh and helps people to not get sick. The icebox helps food to not be rotten.

Some problems might be if food is not in the right temperatures, germs can grow. It's a lot of work because every few days you need to put in new blocks of ice in as the ice melts. If you forgot to empty the drip pan, it can drip water on the floor and make a big puddle.

Changing Lives

People's lives were changed in a positive way because they had fresh foods. They did not get too sick also they don't have to the grocery store as much. They don't have to pay as much.

People's lives were changed in a negative way because they have to pay more on their bill.



My Opinion

Overall, I think the change from springhouse to ice box is positive because it did not spoil as fast . But still you need blocks of ice.

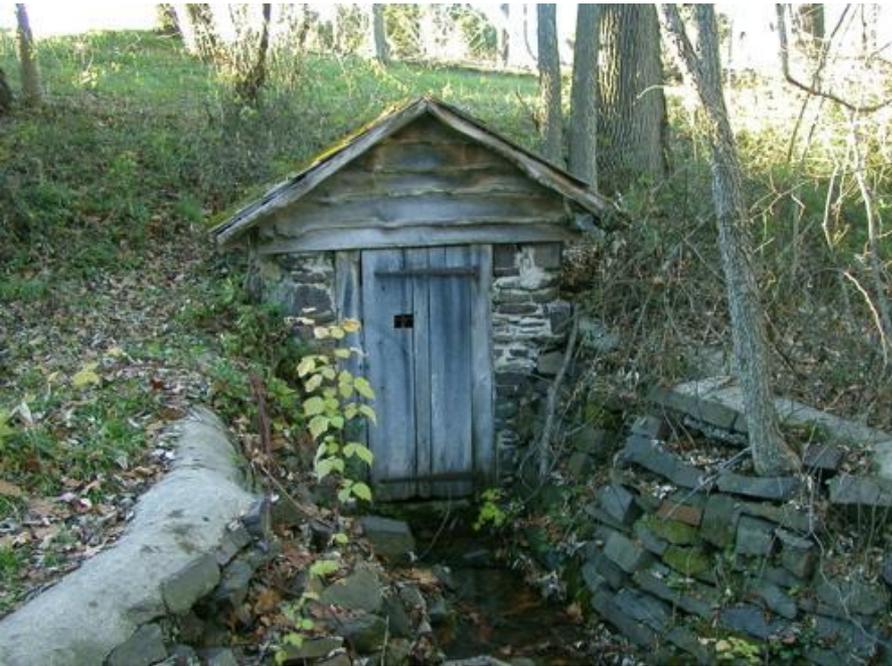


The Refrigerator

Colton

Introduction

People use the refrigerator to keep food cold or cool and eliminate germs from foods and save people's LIVES! The ice box eliminates hotness from food.



Then it changed to a REFRIGERATOR

Changing Lives

People's lives were changed in a positive way because of an icebox. Did you know you had to put food in water before an icebox was invented? You can die if your food rots. You need ice boxes or your food will rot.

People's lives were changed in a negative way because you need ice!!!!!!!!!!!!!!!!!!!! It's heavy and takes long to DELIVER!!!!!!!!!!!!!! An icebox without ice is a box

See just a box-----



The ice box

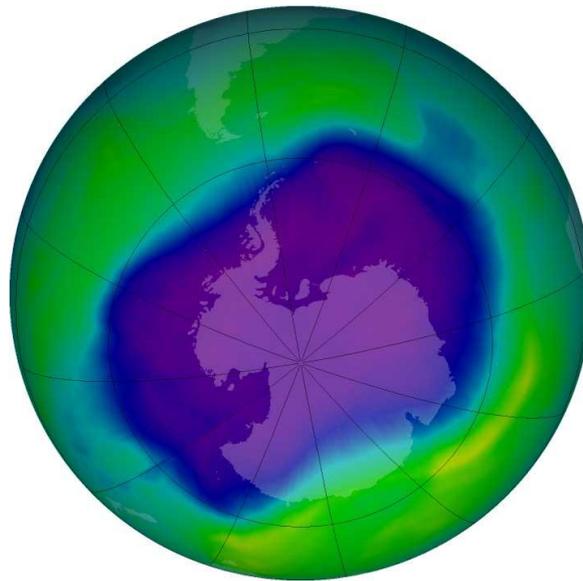
The ice box is special because it keeps food cold. The icebox needs ice cubes that are big so it lasts long. It keeps you alive. The ice box lets you eat food that's not rotten. It makes food edible!!!!!!!!!!

It was created in the 1980s.

Before it was invented, people put food in cold water. The guy who made it lived in Georgetown.

It was helpful because it keeps your food cold. The iceboxes are good because then you can say goodbye to your springhouse.

Some problems might be it needs heavy ice cubes that are tremendously large. The ice melts and floods the floor.



My Opinion

Overall, I think the change from spring house to ice box is positive because you can just put ice in it and it works and you can just order ice. It's simple. And a springhouse needs lots of water.





The Refrigerator

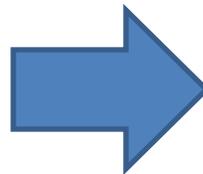
Isabella

Introduction

People use the refrigerator to keep food cold. Also the refrigerator keeps food fresh so people don't get sick and maybe die. People put drinks in the refrigerator so the drinks are cold and not warm.



First, it was the ice box



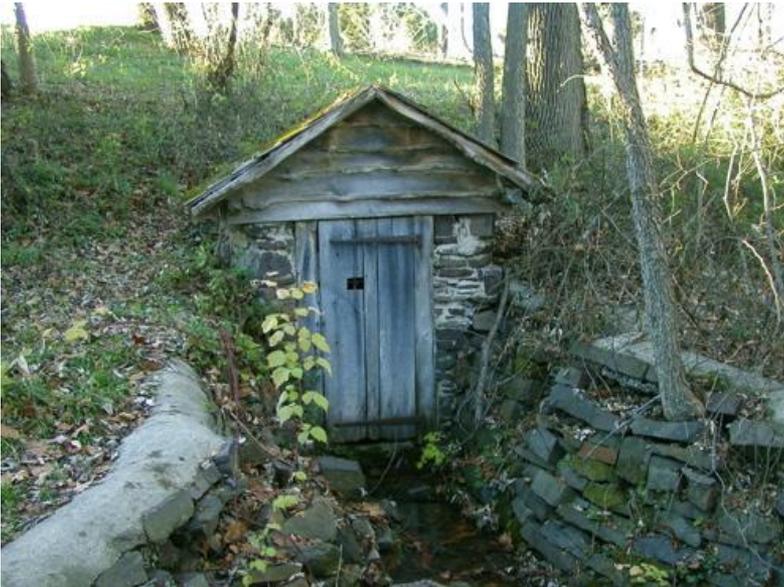
Then it changed to the electric refrigerator

How it's Special

The refrigerator is special because it uses a motor and takes the heat out of it. The first electric refrigerator was sold in the early 1900s.

It was created between 1900-1999.

Before it was invented, people used snow and ice. After that people used spring houses and ice boxes where they had to get ice and put it in the ice box.



Why it's Helpful and not Helpful

It was helpful because it was easier to use. Also you don't need to get ice to put in the refrigerator. The refrigerator also didn't leak and it used a better motor.

Some problems might be the chemical Freon which makes the refrigerator cold. It hurts the atmosphere. It was polluting the air and it was damaging the ozone layer. Another problem might be the motor if it breaks down. Dangerous gases might hurt people or the environment.



Changing Lives

People's lives were changed in a positive way because inventors invented the electric refrigerator. People did not get sick and die because the food was getting rotten anymore.

People's lives were changed in a negative way because Freon was making people sick and die because of the bad chemicals. People were getting so sick that the inventors decided to make Freon better and safer.



My Opinion

Overall, I think the change from the ice box to the refrigerator is positive because it was very easy to use and you don't get sick. Also you eat good food all the time.

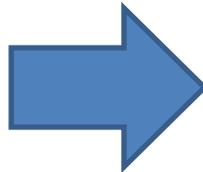
The Refrigerator

Pauline



Introduction

People use the refrigerator to keep food nice , fresh, and cold. Refrigerators keep people from getting sick or die. Refrigerators keeps food from getting rotten. People use refrigerators because people don't have to go to the grocery store as often.



Then it changed to an electric refrigerator.

The refrigerator is special because it keeps food cold and it uses electricity. This refrigerator keeps the heat away from the food. It uses a motor and that's what it keeps food really cold.

It was created 1900-1999

Before it was invented, people used iceboxes, snow and ice, earthenware pots, and springhouses. The thing is that all of that stuff didn't really keep the food that cold so they invented the electric refrigerator.

It was helpful because refrigerators keep food from getting rotten . You don`t haft to get ice blocks to keep food cold and it is easier to use. The newest refrigerator has ice cubes and cold water that is cool and way better to use.

Some problems might be that the motor might break down when a storm comes and all of the food will spoil and all of the food will be disgusting and no one will eat it.

Changing Lives

People's lives were changed in a positive way because people stopped dying and getting sick. They got sick and died because they didn't know that the food was rotten.

People's lives were changed in a negative way because people started using this bad chemical that was name Freon. Freon makes people sick and die because of the bad air. People were getting so sick that the inventor decided to make refrigerators safer and better.

My Opinion

Overall, I think the change from the ice box to the refrigerator is positive because people don't have to cut ice blocks because I would have my back broken. With a refrigerator you don't need to do anything. Isn't that awesome!



The Refrigerator

By William

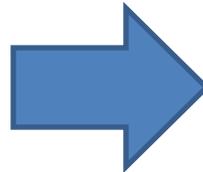


Introduction

People use the electric refrigerator to keep food fresh and cool so the bacteria can't grow on the food plus it doesn't need ice blocks! The refrigerator uses Freon that is bad(see page 5).



The ice box was invented in 1900s.



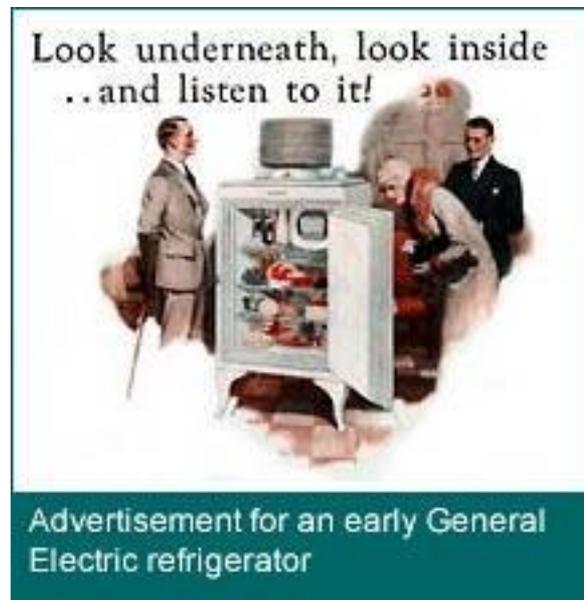
The electric refrigerator was invented in 1897.

electric refrigerators secrets

The electric refrigerator is special because it has a motor on the top of it. It can also take heat away and there is 1,000,000 sold! In the 1900s the motor was named Monitor-top.

It was created between 1900-1999.

Before it was invented, people used Springhouses and ice boxes even caves, snow, ice and underground and sometimes earth ware pots to keep food fresh.



Why it is helpful or not

It was helpful because it did not leak or spill so food can not rot or let bacteria grow on the food. It keeps food cold too.



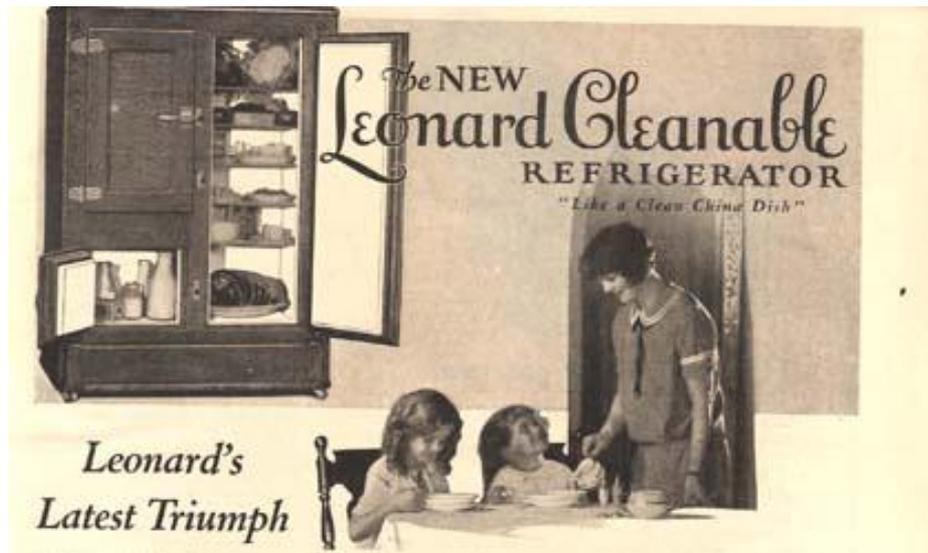
Some problems might be that it wastes energy. Refrigerators were also dangerous because they have dangerous gas that has chemicals and it starts to pollute the earth and it can destroy the ozone.



Changing Lives

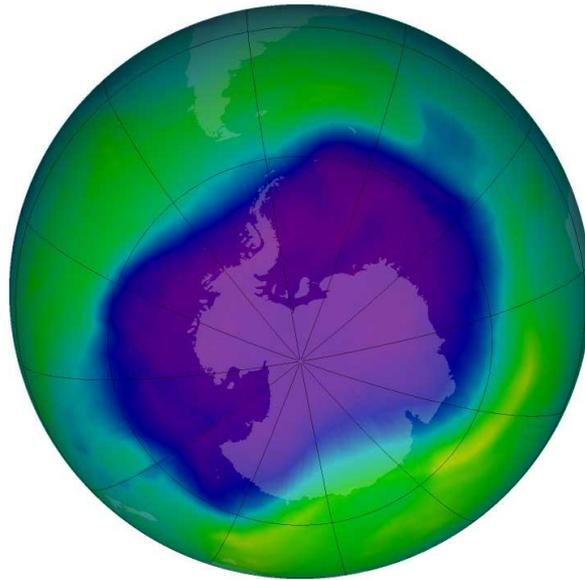
People's lives were changed in a positive way because the food stayed safe more than the old days so the bacteria can say bye! bye!

People's lives were changed in a negative way because people died because of the gas and it costs so much that they have to waste money.



My Opinion

Overall, I think the change from ice box to electric refrigerator is negative because its not easily available or affordable! And it can harm the environment.



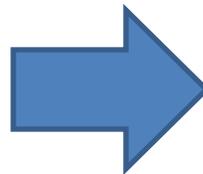
The Telephone

Bianca

Introduction

People use the smart phone to call people like 911 and it can keep you entertained by playing music and games and reading books.

1993
The IBM Simon



First, it was the cell phone.

Then it changed to the smart phone.

The smart phone is special because you can call 911 and call your friends.
The smart phone also has touch screen and you can play games on it.
It was created between 1900-1999.

Before it was invented, people would mail letters or ride horses to talk to people. Later they could use a phone, too.

It was helpful because it has a loud speaker so you can hear people on the phone. Also you have a touch screen.

Some problems might be that when you are about to call 911 it might need to be charged. People can steal it easily and drop or lose it because it is smaller than the other phones.

Changing Lives

People's lives were changed in a positive way because it was better than other phones.

People's lives were changed in a negative way because it needed to be charged. Sometimes other people can go on your phone and buy games with your money.

My Opinion

Overall, I think the change from cell phone to smart phone is positive because it had a touch screen and you can listen to music. You could download games on it. You can download a lot of apps and books.

The Telephone

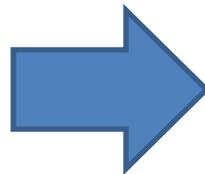
Andrew

Introduction

People use the telephone to talk to important people faster than walking to see them. People also call 911 for emergency. They can also reach the whole world.



First, people used cordless phones and telephones



Then people used smart phones after the Cell phone

WHY IT'S SPECIAL

The cell phone is special because it is connected by invisible radio waves and not wires. It can also receive and send messages by radio waves.

It was created between the 1900s and 1999.

Before it was invented, people had to use cordless phones and telephones.



Usefulness and problem

It was helpful because it is small and powerful. It also can do more than calls like sending messages. When you call with it, it can reach the whole country.

Some problems might be that the more cell phones people use, the more towers you need. It can't reach the whole country with network.



Towers ruin cool views

Changing Lives

People's lives were changed in a positive way because when cell phones were invented, there was no wall cord unlike the old telephone. You could walk around and talk at the same time!

People's lives were changed in a negative way because the cell phone was very commonly used and the more cell phones they used, the more towers they used and they did not like the towers. They need towers because the network will connect to it.

My Opinion

Overall, I think the change from the home cordless phone to the cell phone is positive because it is affordable and is able to call or send whenever people wanted. Also you can talk to people faster.

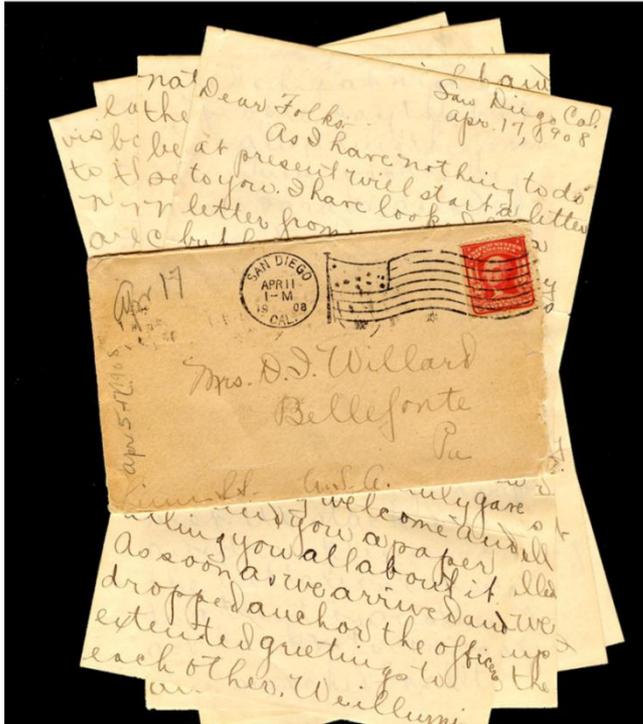


The Telephone

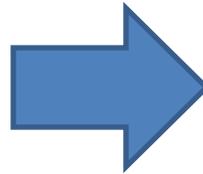
Drew

Introduction

People use the telephone to cordless phone to talk to people far away that you can't see. It's also used for calling 911 in case of emergency



First, people wrote letters



Then people used a phone

Special

The cordless phone is special because you can walk around while talking.

It was created between 1900-1999.

Before it was invented, people couldn't walk around while talking to their friend. People used corded phones or wrote letters to their friends.



How it was helpful and non helpful

It was helpful because you wouldn't trip over those messy cords which could *injure* you. It also didn't waste that much energy.

Some problems might be it would throw your voice back sometimes when you talk. Also the cordless phone changed the persons voice when talking. You could hear other people talking on their cordless phone which was very disturbing to everyone who bought the cordless phone.

Handset cord



Wall cord

Changing Lives

People's lives were changed in a positive way because it had a key pad so you didn't have to turn the wheel.

People's lives were changed in a negative way because while you are talking you had to be close to the base to talk.



My Opinion

Overall, I think the change from the corded phone to the cordless phone was positive because you can walk around without ripping the cord out of the wall and it's so easy to work you just need to push buttons.

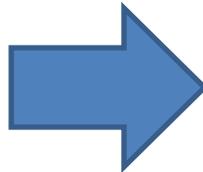


The Telephone

Georgia

Introduction

People use the smart phone to call people like 911 for emergencies and crimes. People can video chat a long distance away. The smart phone is used for lots of talking.



The smart phone is special because you can upload games and text people. People think it is special because of the computer included and you can listen to music.

It was created between 1900-1999.

Before it was invented, people had to ride horses just to say happy birthday. The first cell phone was a big heavy box.

The smart phone is helpful because you can upload a GPS app to show you where to drive.

Some problems might be smart phones might not have enough cell towers because people are against them because of how they look. Also, some people talk while driving and that is bad because you could get in a car wreck and really hurt yourself.

Changing Lives

People's lives were changed in a positive way because people don't have to carry a heavy phone box around and they don't have to have complicated numbers.

People's lives were changed in a negative way because people talk while driving and most people lose their phone because the smart phone is really tiny.

My Opinion

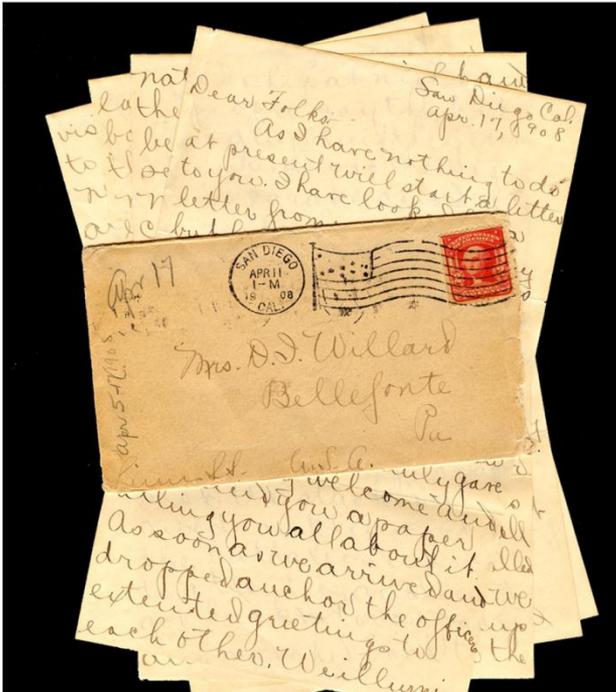
Overall, I think the change from cell phone to smart phone is positive because smart phones are cheaper and because they have a built in computer because you don't have to worry about paying for a computer.

The Telephone

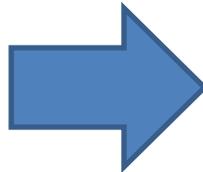
Ramya

Introduction

People use the telephone to talk faster to important people that they need to talk to immediately, and call the fire station if there's an emergency. You don't need to go places to say something to someone.



First, it was letters



Then it changed to telephone

The telephone is special because you can talk to people on the other side of the world and you can send and receive calls if the person wants to talk to you.

It was created before 1900.

Before it was invented, people wrote letters to talk to people and they would go to the house of the person they wanted to talk to. They also used a switch board to talk to each other.

It was helpful because the telephone helped with communication and it helped people so they didn't have to write letters to each other that took a long time.

Some problems might be your phone might not work. There might be no electricity and people might need to fix the wire or your phone might be broken. Your phone might break while you're talking. If someone was too far from each other so the person who you are calling can't hear.

Changing Lives

People's lives were changed in a positive way because they just have to turn the wheel with the numbers and then they just call the person that they want to and they can start talking to each other.

People's lives were changed in a negative way because when they made the telephone people stopped visiting each other as much.

My Opinion

Overall, I think the change from letters to the telephone is good because you can get help immediately.

The Telescope

Christopher



Introduction

People use the telescope to see far away all the way to space to see planets without having to use the naked eye. Lots of scientists use telescopes to study space and different galaxies and planets that some people do not know about.



First, people used Galileo's telescope



Then, Hubble was made

Hubble Space Telescope.

The Hubble space telescope is special because It takes the best pictures and Hubble uses our satellites, T.D.R.S and Domestic.

It was created between 1900-1999.

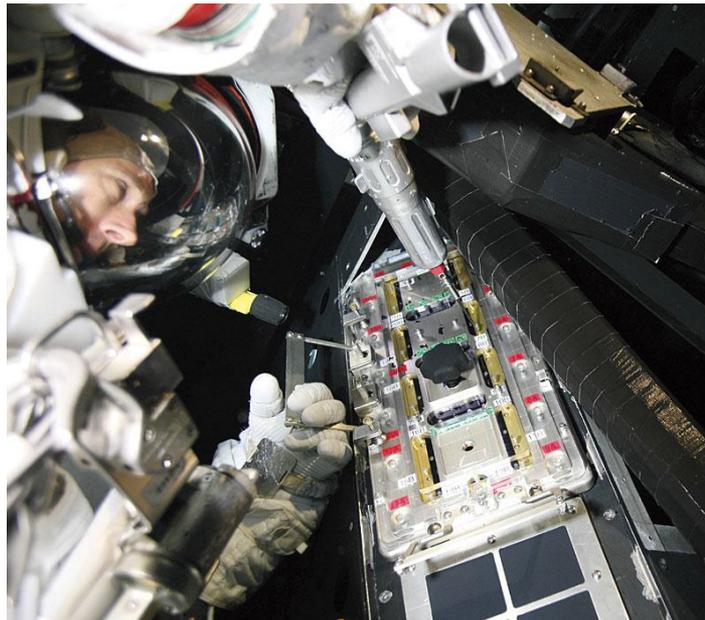
Before it was invented, people used Galileo's telescope or Newton's telescope or our naked eye.



Good And Bad Things About Hubble Space Telescope.

It was helpful because our eyes have limits and Hubble does not have any. NASA figured if it was in space, it would take better pictures. They named it after Edwin Hubble but he did not make space telescope.

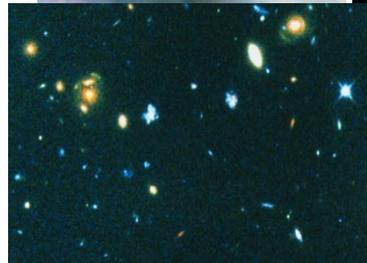
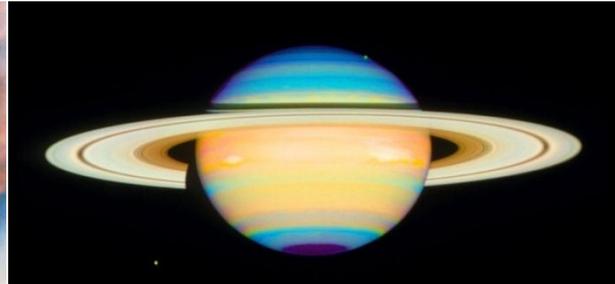
Some problems might be it was amazing expensive telescope that didn't work the first time! Telescope sometimes need tune-ups sometimes but working on a space telescope is slow, difficult and expensive.



Changing Lives

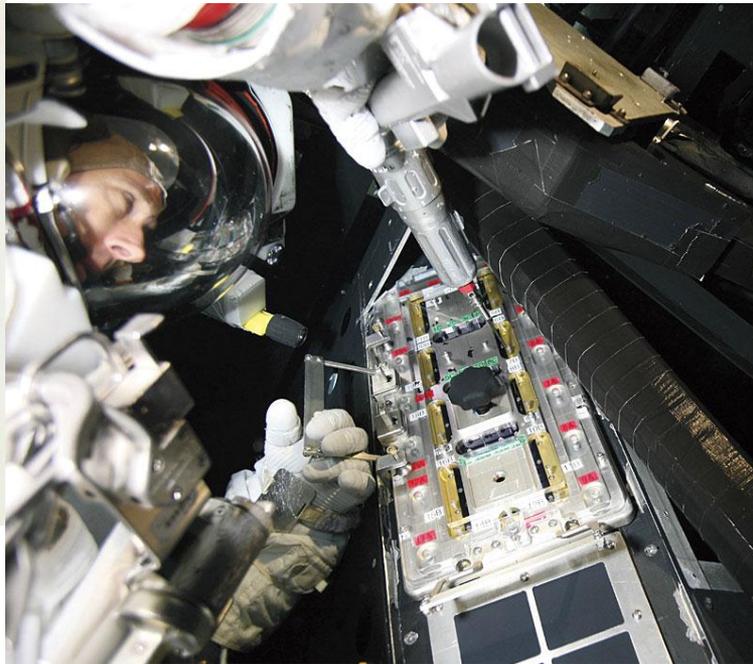
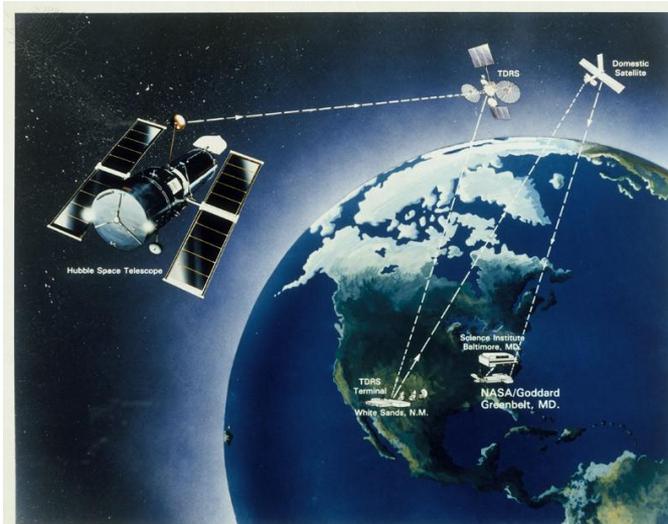
People's lives were changed in a positive way because we didn't have to carry a heavy telescope all the way to your back yard, you could look on a computer, I pad or smart phone. The telescope the best pictures.

People's lives were changed in a negative way because we couldn't see space for 3 and a half years to fix! We had to use a lot of materials that is bad for the environment.



My Opinion

Overall, I think the change from Galileo's telescope to Hubble space telescope is negative because Hubble was very expensive and it was very hard to understand in space.



The first fling photographer

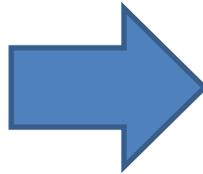
By Gabriel

Introduction

People use the Hubble to see far things closer like constellations, planet, or even planets of other galaxies!!



First, it was the Newton telescope.



Then it changed to the Hubble space.

Special things of the Hubble

The Hubble is special because it can show you undiscovered worlds.

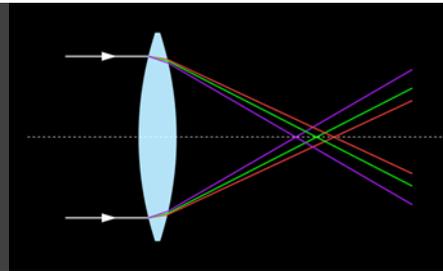
It was created between the 1900-1999.

Before it was invented people used the Galileo telescope and the Newton's telescope. The Galileo telescope was a tiny tube and didn't work because the images were blurry and the pictures also made different colors which made difficult to understand. The Newton telescope still had problems like that is was easy for the lenses to get dirty.



This star does NOT have a pinky-purple edge, but it looks like it does when seen through a refracting telescope.

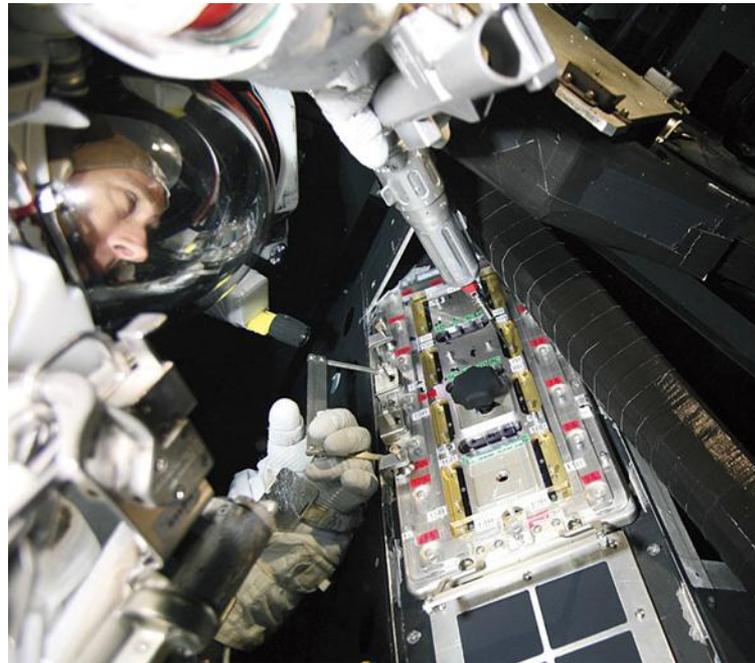
As the light goes through the convex lens, it is broken into different colors.



Good news and bad news

It was the only telescope in space. It helped people very much who were learning about space.

Some problems were that in the beginning the Hubble took blurry pictures so that means that this expensive telescope didn't work! They did fix it but it took three years to fix it.



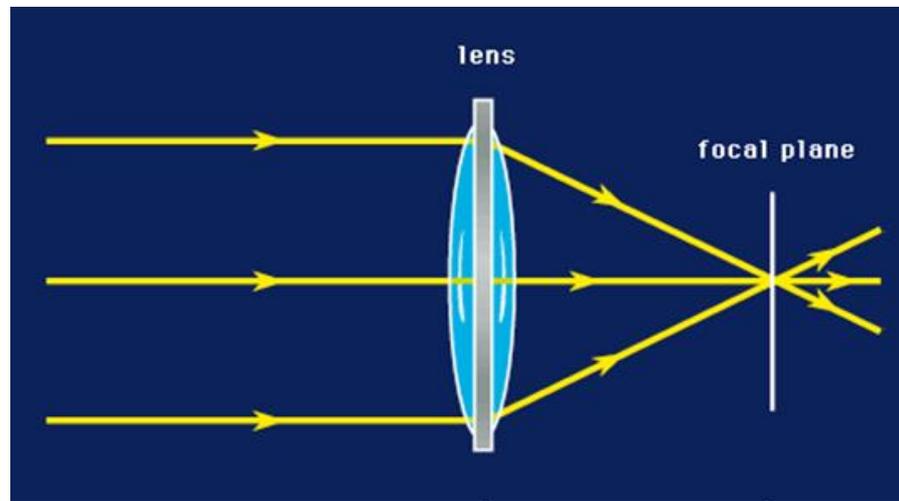
Changing Lives

People's lives were changed in a positive way because the people on Earth can see undiscovered galaxies or planets that could not be found using a regular telescope.

People's lives were changed in a negative way because it costs lots of money and it took 3 years to fix it when it took blurry pictures.

My Opinion

Overall, I think the change from Galileo's telescope to Hubble is positive and negative because people can learn about space but the negative part is that it might get crashed by a meteor because it's out in space.

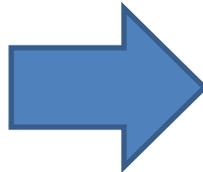


The Telescope

Reed

Introduction

People use the telescope to things faraway that cannot be seen with an eye by itself. Helping people study space was also one thing telescopes can do.



First, people looked up in the sky, they used a tool called a "spyglass" like a telescope.

Then it changed to the Galileo's telescope.

The Galileo's Refracting Telescope

The Galileo's telescope is special because it uses two lenses to focus objects. It is the first telescope invented. Refracting telescopes like Galileo's had disc shaped lenses that curved out on both sides.

It was created in 1609 by Galileo Gallilei.

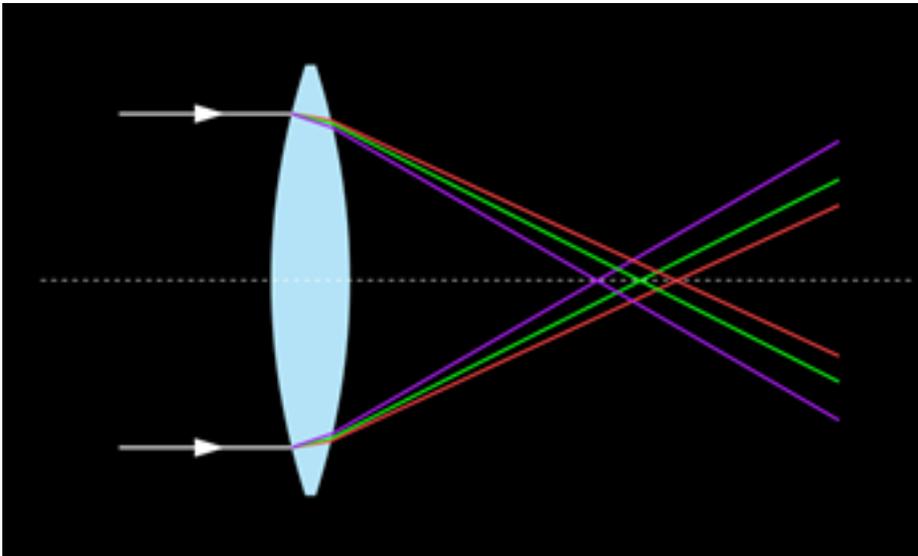
Before it was invented, people looked at the sky with their own eyes. They made things up. They used "spyglasses" like telescopes.



Pros And Cons

It was helpful because eyes have limits but telescopes don't because of the focusing. Telescopes can see a lot farther. Focusing makes very bright pictures by bending and focusing light.

Some problems might be flat lenses don't see as far as regular telescopes. The spherical shape of lenses make the images blurry. The first telescopes was not exactly what



Changing Lives

People's lives were changed in a positive way because they could see a lot farther. They didn't need their eyes. The telescope was a lot more focused.

People's lives were changed in a negative way because they wouldn't use their eyes anymore and would use the telescope more. The telescope didn't work very well the first time. Galileo taught people really dangerous things about space, so he was punished.

My Opinion

Overall, I think the change from looking at the sky to Galileo's telescope is positive because it's more useful when you need it to see something faraway. It's also helpful because it's easy to use anyone could do it.





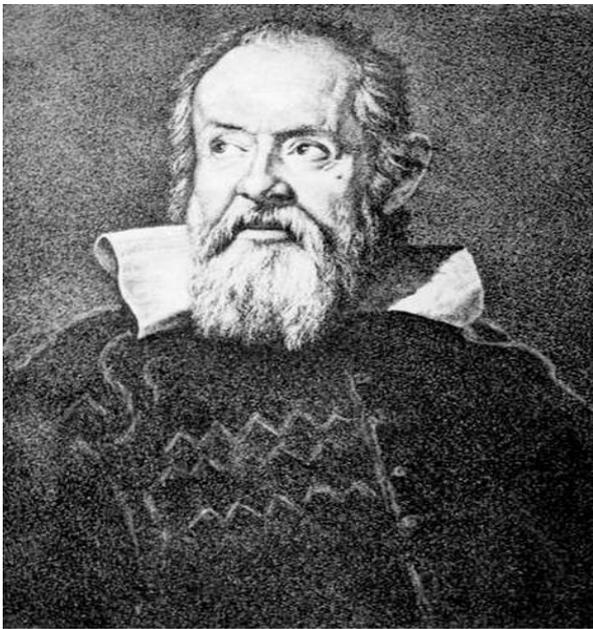
The Telescope

Sidharth

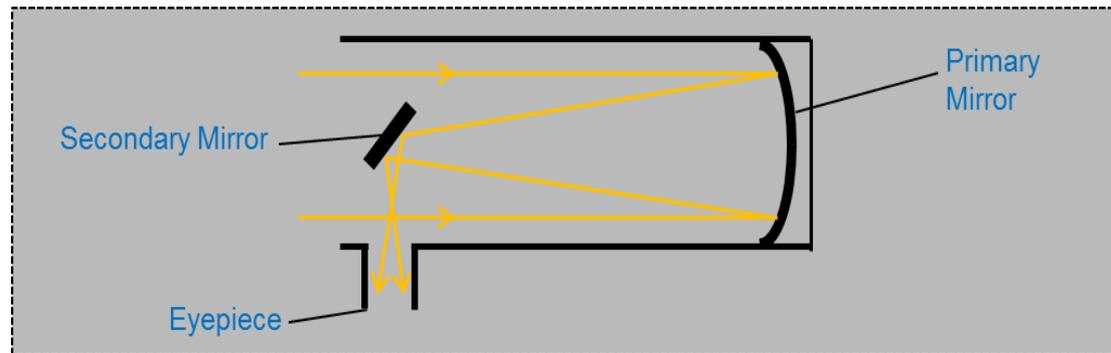


Introduction

A telescope is an object with two lenses. One is medium and one is small. People use the telescope to look at the sky and study space from Earth. They used the telescope to see farther and to see how the planets are lined up. They used it because scientists wanted to see and study stars.



First, there was the Galileo's telescope



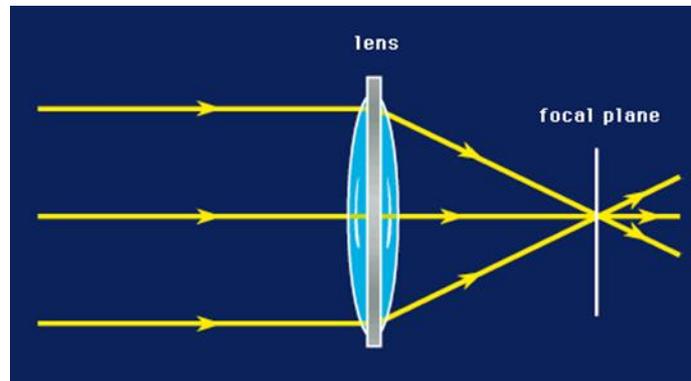
Then it changed to the Newton's telescope

Why is Newton's Telescope Special?

The Newton's telescope is special because it has a long tube that bends light that makes it work. It also focuses only on faraway images, and it can stretch out. The tube that bends light makes the whole process work.

It was created before 1900.

Before it was invented, people used the old telescope that Galileo made and his telescope had a problem that the outlines and corners of everything people saw in space had a colored outline and corner but the things in space were not really colored.

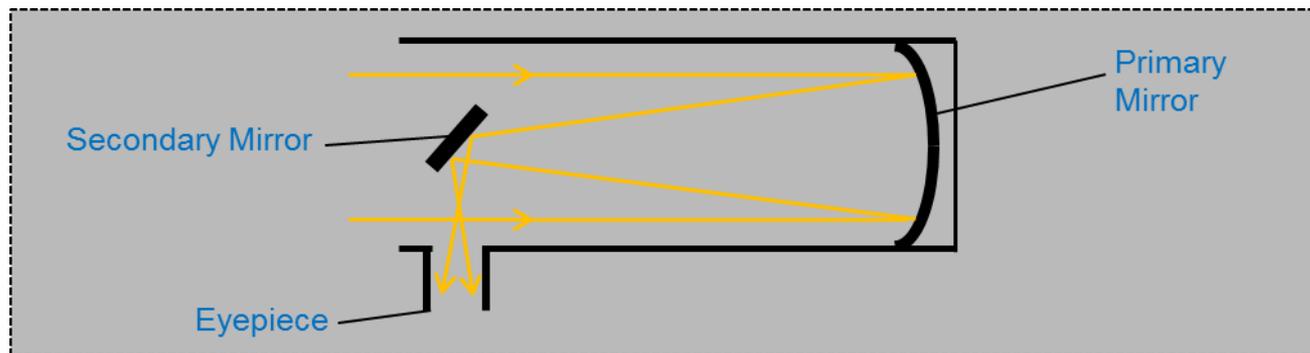


Why was it Helpful?

It was helpful because this telescope had better images and the people who saw from it had less blurry images and it could see farther. Eyes have limits, but they can see far too even though Galileo's telescope worked, Newton's telescope was much, much better. It was also wider so people see more at once.

Some problems might be that this telescope did not work really well, instead it broke into some different colors. It did not have fantastic images and it was hard to make convex lens for it so it cost a lot. The reflectors got dirty so they needed polishing. Also one problem is the Earth's air. When the air moves around, the bending can change what people see.

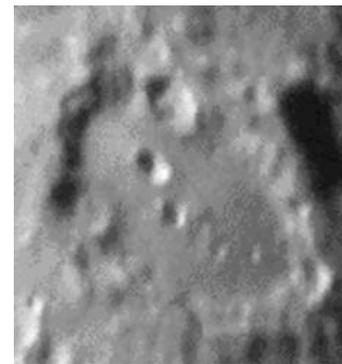
It was
Helpful
Because
of these
Things.



Changing Lives

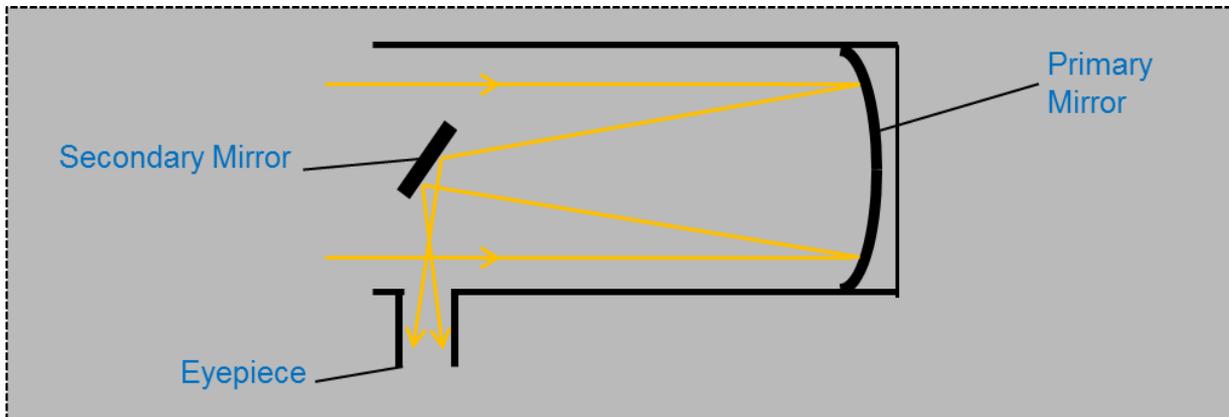
People's lives were changed in a positive way because the telescope could see farther than eyes alone and had better images and it was wider. Its length didn't matter. It also changed lives because scientists could learn more about the universe.

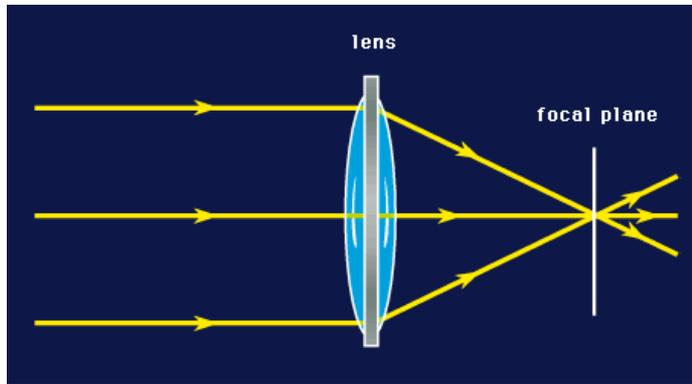
People's lives were changed in a negative way because reflector images were not as bright. The mirrors got dirty so they needed polishing. All telescopes on Earth have one problem: the Earth's air bends light and the bending changes when the air moves.



My Opinion

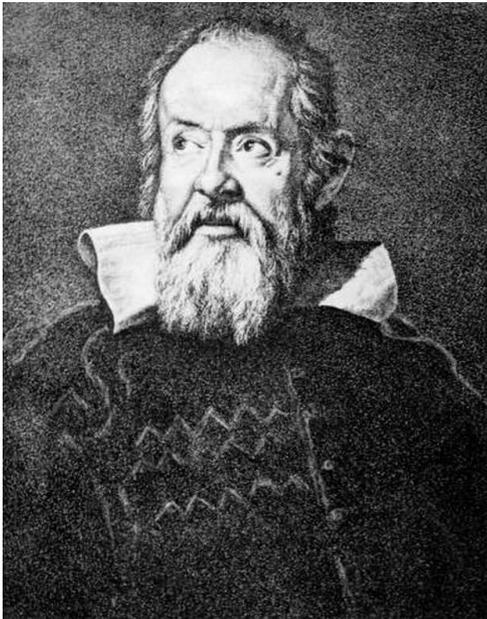
Overall, I think the change from Galileo's telescope to Newton's telescope is positive because it helped people see farther than human eyes alone and it didn't use any electricity. It was also positive because it was easy to look through and turn it around.





The yellow lines show light bending as it goes through the convex lens.

The Telescope



Tela

This sketch from Galileo's journal shows his discovery and observation of four moons around the planet Jupiter.

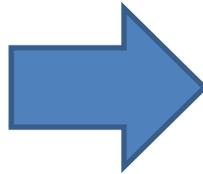


Introduction

People use the telescope to zoom in and see a clearer and better image of what an object looks like that is far away like stars, constellations, and planets.



First, it was Galileo's telescope



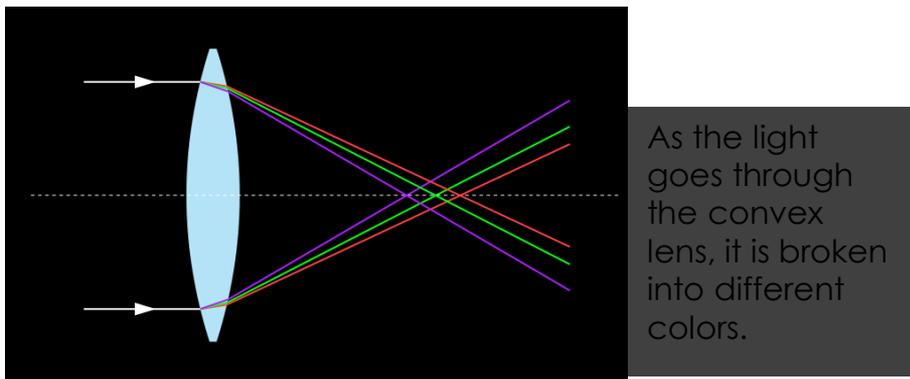
Then it changed to Newton's telescope

Telescope power

Newton's telescope is a long tube and it has curved mirrors and lenses to let you focus far away things. It also stretches out, collect and concentrates lights. It uses convex lenses to do most of the powers we need it to have for seeing far away images.

It was created before 1900.

Before it was invented, people looked with eyes without any tools to help see. They also might have been using the Galileo's refracting telescope if they had one.

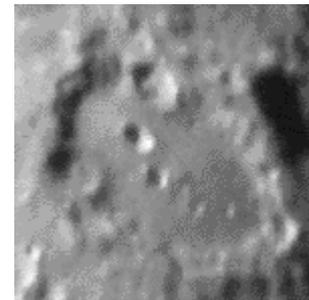


Are telescopes good or bad

The telescope was helpful because it can make far away objects bigger and clearer to see and you could see more than seeing only with eyes if you look in a telescope. It make seeing much easier for us than letting us use our own eyes . Newton's telescope could create a better image than the Galileo's telescope.

Some problems might be sometimes it can not stretch long enough to let you see as close as you want it to be. Also, moving air around the Earth could change the image the telescope made. The air also made pictures change colors.

This star does NOT have a pinky-purple edge, but it looks like it does when seen through a refracting telescope.

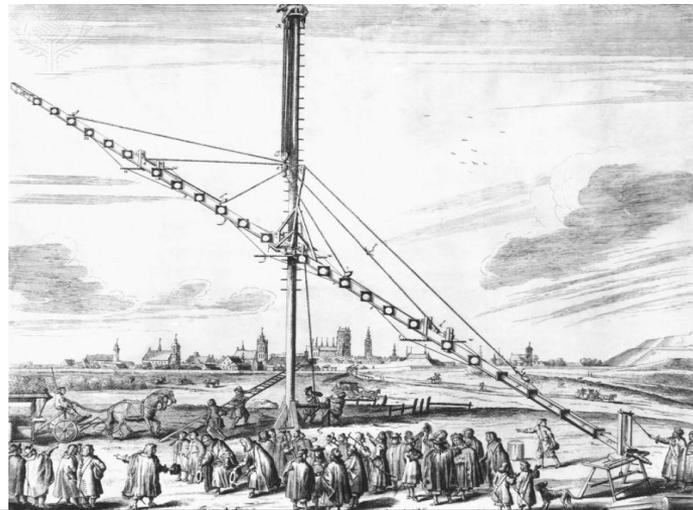


This video shows how moving air changes the way the moon looks through a telescope.

Changing Lives

People's lives were changed in a positive way because we can see close up and clear even though that we aren't that close to the object like small things such as planets, space and stars.

People's lives were changed in a negative way because we might waste our money on it. Also it might have too many problems like: breaking, stretching too long or too short, not fitting your eyes, and so on. Sometimes, they can be super expensive!



This refracting telescope was 150 feet long but was hard to use because the wind could move the sections apart.

My Opinion

Overall, I think the change from Galileo's telescope to Newton's telescope is positive because it's easy to look through to see stars in space and other far away things too. Also, it protects the environment by not using electricity or gas.

