

My Apollo Summer **The Space Race**



Did you know?

- ✚ The Soviet Union (U.S.S.R.) was a single state that existed between 1922 and 1991.
- ✚ It was made up of 15 Soviet Republics, the largest of which was Russia and it was ruled by a single party, the Communist Party.
- ✚ The capital of the Soviet Union was Moscow.



- ✚ The Soviet Union was an ally of the U.S. and Britain in the fight against Hitler during World War Two. But when the war ended, the Soviet Union invaded East Germany, Poland, Romania, Bulgaria and Czechoslovakia and took them over. This led to great tension between the Soviet Union and its former allies in the West. This tension was called the ‘Cold War.’
- ✚ On the 4th of October 1957, a powerful Soviet missile launched the first satellite into orbit around the Earth. The satellite was called Sputnik and was only the size of a football. But this event sparked great fear in the West. It led to the ‘Space Race’ between the Soviet Union and the West.

The First Human in Space.

This event took place on April 12, 1961. Find out all about it and write it here.

.....

.....

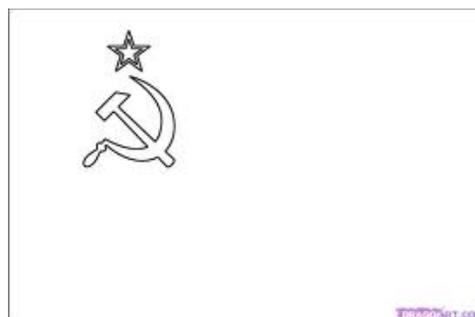
.....

.....

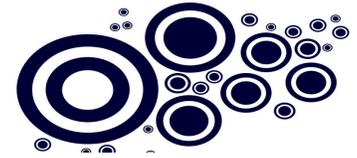
.....



Colour the flag of the Soviet Union (hammer and sickle, and star – yellow. The rest is red.)



My Apollo Summer The Sixties



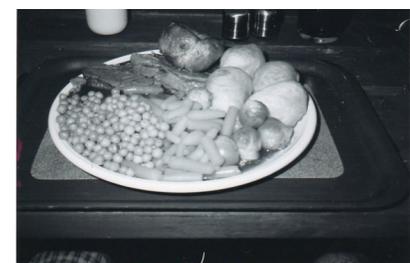
Did you know?

- ✚ Only weeks after the Soviet Union put the first human in orbit around the earth, the space race took a dramatic turn. On May 25 1961 President Kennedy told the US Congress: ‘This nation should commit itself to achieving the goal, before this decade is out, of landing a man on the moon and returning him safely to the earth.’ Thus, the Apollo Space Programme came into being.
- ✚ RTE began broadcasting on the 31st December 1961 – in black and white.
- ✚ The Sixties was a time of change and growth in Ireland. In its cover story of July, 1963, Time Magazine reported: “...for the first time in this century most Irishmen believe the future can be a bright one ... the signs are everywhere: in the new factories and office buildings, in the Irish-assembled cars (Fords, Austins, Volkswagens) fighting for street space in Dublin, in the new TV antennas crowding the rooftops ...”

The Sixties in Ireland: Find out what life was like Sixties from someone you know (a parent, grandparent, or perhaps a teacher in your school). Seek out interesting information under the following headings:

School:

.....



.....
.....
.....

Food:

.....
.....

.....
Clothes and Shoes:.....
.....
.....



My Apollo Summer Surfing

Did you know?

- ✚ Surfing is an ancient sport that comes from the Pacific islands of Hawaii, Tahiti and Tonga. It was first seen by Europeans in 1769 when the expedition of Captain James Cook visited Hawaii.
- ✚ In the Hawaiian language the sport was called “he’enalu” or “waving-sliding.”
- ✚ In those days, the Hawaiians used two types of wooden surfboard, made from mahogany or balsa. Ordinary people used a short board called the “alaia”, about 2.5m to 3.5m long. The nobles, on the other hand, surfed on the “olo” which measured up to 5.5 m.



Water Sports: There are many sports that involve water, either in the water, on the water or under the water. How many can you list?

- | | | |
|--------|--------|--------|
| 1..... | 2..... | 3..... |
| 4..... | 5..... | 6..... |
| 7..... | 8..... | 9..... |

Which one is your **favourite water sport**? Write about it and draw a picture.

.....
.....
.....





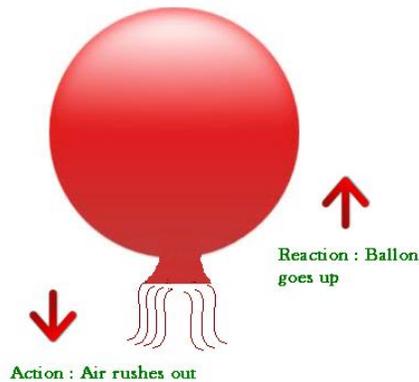
My Apollo Summer ***Rockets***

Did you know?

- ✚ The great scientist Isaac Newton gave the world his three laws of motion in the year 1686. His third law states: “For every action there is an equal and opposite reaction.” This law can be seen in swimming, for example. When you swim in the water, you push the water backwards with your hands. While you do this, the water pushes you forward.
- ✚ The same law explains how a rocket works. As soon as the fuel in a rocket engine is ignited (set alight), hot exhaust gases shoot out of the rear of the rocket. In reaction to this, a force is

produced in the opposite direction. This force is called thrust and it will lift the rocket off the launch pad.

- ✚ The principle behind this can be seen when you blow up a balloon and then release it.



EXPERIMENT: HOW TO MAKE A STRAW FLY LIKE A ROCKET!

All you need is a drinking straw, some thread (or fishing line, or dental floss), sellotape and a balloon (the bigger the balloon, the better!).

1. Push some thread through an ordinary drinking straw.
2. Tie the thread – with the straw attached – from side of the room to the other.
3. Cut a small piece of sellotape and stick it to straw, leaving a piece hanging loose.
4. Blow up the balloon and pinch the opening your fingers to make sure no air escapes.
5. Stick the balloon to the loose piece of sellotape on the straw.
6. Release the balloon ... and watch what happens!



one
the
with

My Apollo Summer Hollywood Comes to Kerry

Did you know?

- ✚ David Lean was a famous “big budget” Hollywood director, whose films had won many Oscars. In 1968, he decided to make his next film in Ireland. He chose the rugged landscape of west Kerry as the movie’s location. The movie was called *Ryan’s Daughter*. The budget was \$9 million – a huge sum in those days.

✚ Lean needed a village for his movie which was set in 1916. He wanted a real village with houses built of stone. Up to 200 workers began constructing such a village on the lower slopes of a mountain in Dunquin on the Dingle peninsula. The village was named “Kirrary”.



Movie Expert: If you can fill in the answers below you're definitely a movie expert!

The Screenplay is

.....

The Soundtrack

is.....

The Academy Awards are also known as the

.....

Walt D _____ was a famous maker of cartoons and movies for young people.

Bollywood is

The Foley Artist is



Great Movies: Great Story Ideas: All great movies are based on great story ideas. In a sentence or two, write what is the main story idea of each of these famous movies:

SHREK.....

.....

TOY

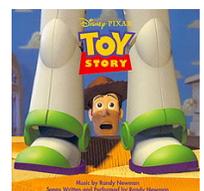
STORY.....

.....

SPIDERMAN

.....

.....



My Apollo Summer All about America

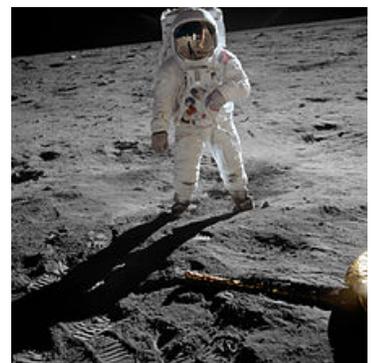
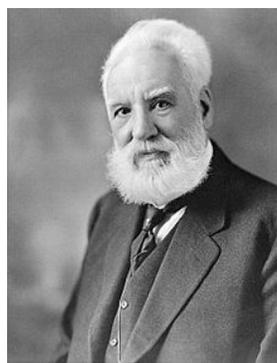
American English: do you know what the following words mean?



garbage	fries	rest room
candy	cookie.....	elevator.....
sidewalk.....	vacation.....	buddy.....
windshield.....	store.....	gas.....
casket.....	flashlight.....	diaper.....



Quiz America



1. On what date do American
..... celebrate Independence Day? .
2. Who is the U.S. Vice-President?
3. Which American was the second person to walk on the Moon?
4. Name the great mountain range of North America
5. Which U.S. city is known as the “City of Angels”?
6. Which U.S. city is known as the “Windy City”?
7. What did the American Graham Alexander Bell invent?
8. What do the initials F.B.I. mean?
9. Why are there 50 stars on the American flag?
10. Dallas is a city in which U.S. state?

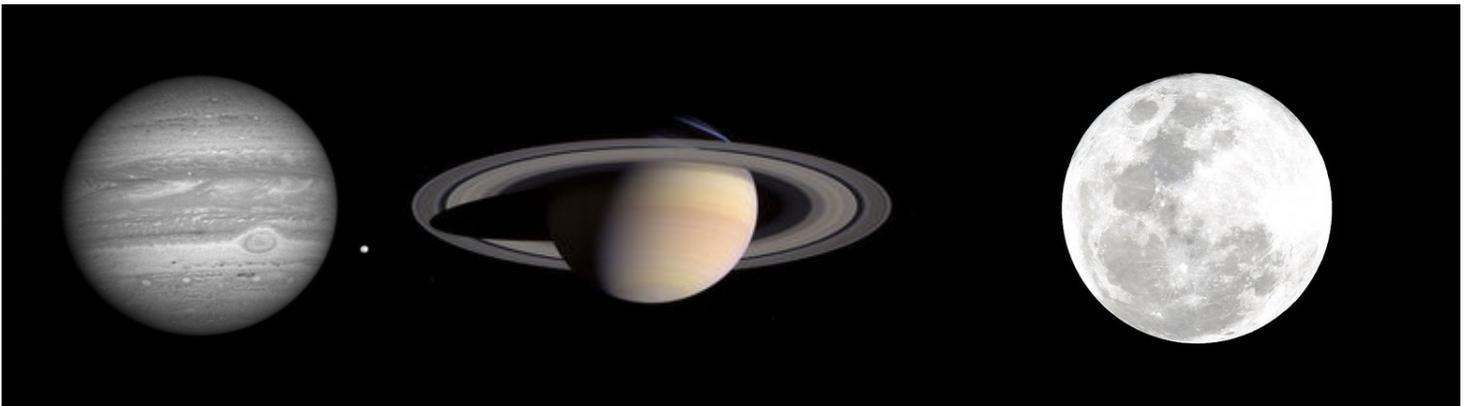
***My Apollo Summer Charles Lindbergh –
“the lone eagle”***

My Apollo Summer The Race to the Moon

Part 1

The Soviet Union achieved many firsts in space and was well ahead in the Space Race:

- ✚ On October 4th 1959 the Soviet Union sent the first spacecraft around the moon. Luna 3 sent back photographs of the far side of the moon.
- ✚ On April 12th 1961 Yuri Gagarin became the first person to orbit the Earth in his Vostok spacecraft.
- ✚ Another Soviet cosmonaut Valentina Tereshkova was the first woman to venture into space on the



16th June 1963.

- ✚ In March 1965 Alexsei Leonov became the first person to climb outside his orbiting spacecraft and walk in space.

SPACESEARCH: See can you find the names of the nine planets here as well as those of the three Apollo 11 astronauts: Armstrong, Aldrin and Collins.

T N S U N A R U G M D T Q E T K
L Z E C K H N N Q A B Y S K V T
G D V P T K O R R R W U D Q U B
T B P R T R B U U S A X Y C K Y
D T A L T U E A M T G V E N U S
O E H S U H N V E Y A D A E Q C
I X M R N T M E R J U S Z D P S
P R C H E Y O D C E T V E P N E
A M P K X E Z W U V V A C H I X
M T K S V P M V R R V X T T R F
Z Y C V L X J T Y T V L H C D Y
B M D S G Y B M L X S E O P L W
S V G O X N L D B Y A L K O A N
J U P I T E R Y R R L O E P R X
L C M N N C Q U V I Z C L V J X
K G N L D E M M N G M Z D C O A
I Y J G E A K S H Y K K H E I X
X W P H N E Q V L D Z I P W F R

.....
.....
Overall, what I think of this story



.....
.....
.....
.....
.....
.....
.....
.....

My Apollo Summer The Race to the Moon Part 2

Did you know?

- ✚ Aiming to be first to put a man on the moon, the Russians had built a massive three-stage rocket called the N1. However, the rocket ran into serious technical problems. In February 1969 the first N1 crashed one minute after lift off. In July 1969, a second N1 exploded on the launch pad.
- ✚ Meanwhile, the Americans had been making great progress with their rocket, the Saturn V. Their rocket programme was run by a German named Wernher von Braun who had been in charge of developing the V-2 rockets for the Nazis during World War 2. Thirty two Saturn Vs were launched and none of them failed.
- ✚ On the 14th July 1969, just two days before Apollo 11 was launched, the Russians sent the unmanned Luna 15 to the moon. Its mission was to collect rock samples and return to Earth ahead of the Americans. It crashed into the moon.

Mission to Mars 2032: Imagine that you are involved in a mission to Mars in the year 2032. Write all about the mission and draw a sketch of the rocket that will bring you there.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

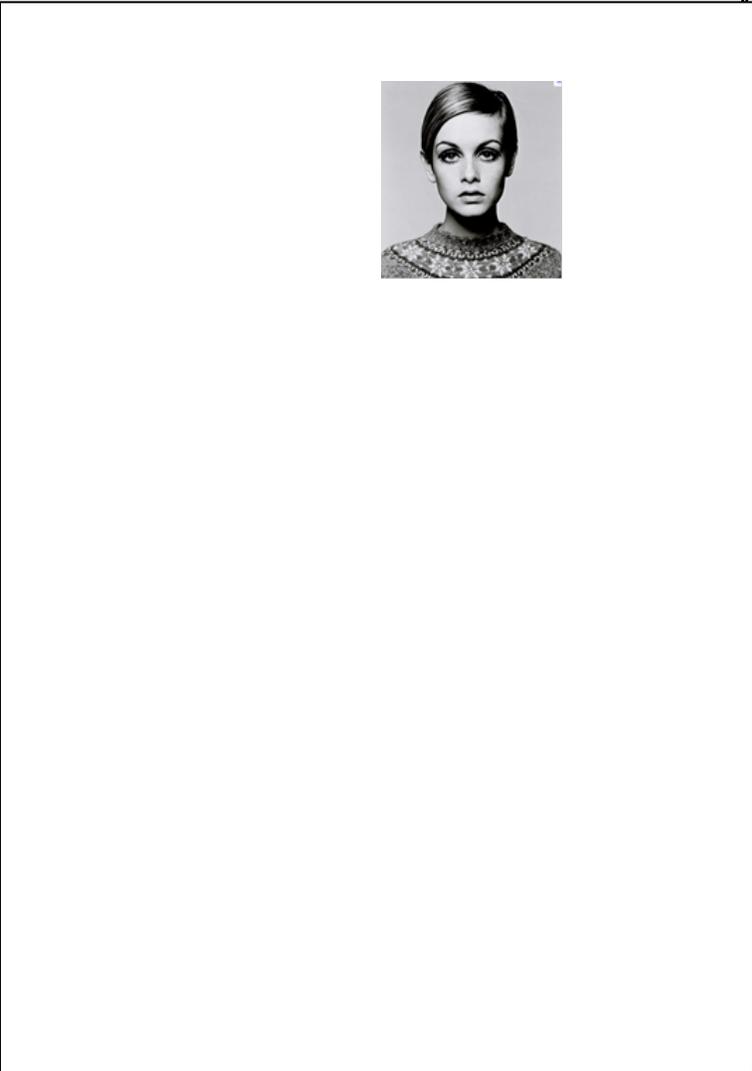
.....

.....

.....

.....

.....



My Apollo Summer **F**

The 1960s was an exciting time in fashion.

It was the era of:

the mini skirt

bell-bottom jeans

and tie-dye t-shirts



**Have
Sixties
and
Your
Tie-dye
shirt!**



**Some
Fun
Make
Own
T-**



All you need is:
just one colour)

fabric dye
rubber gloves
rubber bands
a white cotton t-shirt

(use
and apron

There are many ways in which you can experiment with tie-dye to make any pattern you want. But why not start off with this simple design known as 'the bulls-eye'. Here's what you do:

1. Lay the t-shirt out flat on a table.
2. Pinch up a bit of the fabric in the centre of the t-shirt and tie it tightly with a rubber band.

(Only pinch up the front of the t-shirt, not the back)

3. Now make the 'pinch' a few centimetres higher and tie another rubber band around it.
4. Keep doing this, tying on rubber bands every few centimetres.
5. Soak the t-shirt in warm water for a few minutes. Remove and gently squeeze out the water.
6. Next, prepare your dye. Make sure to wear the gloves and apron to protect your skin and clothes. Carefully follow the instructions on the packet to make up the dye solution.
7. Place the t-shirt in the dye for about 20 minutes.
8. Remove your t-shirt from the dye and rinse with tap water.
9. Remove the ties ... and take a look at your new t-shirt!



My Apollo Summer Inventions and Discoveries

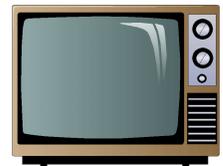
Did you know?

- At the height of the Cold War in the early 1960s, both the Americans and Russians had hundreds of nuclear missiles ready to fire at each other should war break out. The US Air Force needed to improve the computers that guided their missiles and sought the help of a company called Texas Instruments. A man named Jack Kilby working for the company had just invented a new but untested technology: the integrated circuit or silicon chip. The Air Force and the company worked together to develop the new technology. Before long, the silicon chip spread far and wide – into every computer, mobile phone, TV set, CD player, car etc.



Great Inventors: See if you can match the following famous names with their inventions below:
Clarence Birdseye, Alfred Nobel, Orville and Wilbur Wright, Thomas Edison, John Logie Baird, Tim Berners-Lee, Laszlo Biro.

- Ballpoint Pen
- Light Bulb
- World Wide Web
- Television
- Frozen Food
- Dynamite
- Airplane



Discoveries and Inventions of the Future: Try to think of two inventions or discoveries that might happen over the next 50 years. Write all about them here.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....