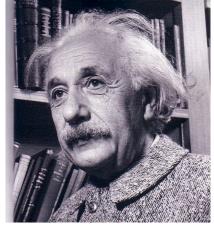
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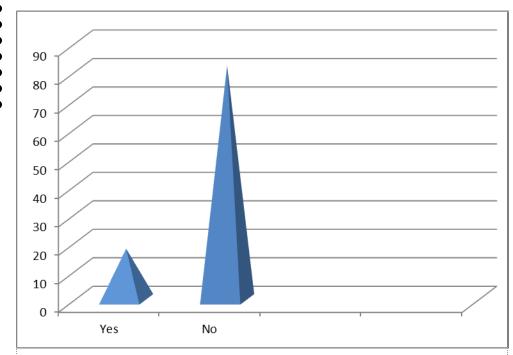


Albert Einstein (14 March 1879 – 18 April 1955) was a German-born theoretical physicist who developed the theory of general relativity, effecting a revolution in physics. For this achievement, Einstein is often regarded as the father of modern physics and one of the most prolific intellectuals in human history.

Opinion Poll

Do you think that the world is going to end in the year 2012? (Suggested by Vagisha Singh)

The following is the opinion poll of the students of classes 7 to 9! (Conducted by Palak Gupta, Aastha Dhanai & Arpita Mamgain)



Editorial Tean

Editors-in-Chi@f: Sarthak@upta Rishi:Arora I/agisha:Singh Ankita:Sharma



Journal Designing: Sarthak Cupta



Ansul Modi
Shashank Upadhyay
Rajat Chauhan
Rajat Singhal
Dinyam Agrawal
Shivaksh Cunsola
Palak Cupta
Aastha Dhanai
Ruchika Joshi
Anshika Cupta
Shubham Mg
Siddhant Shivhare

Helicers:



Editor's Note

Writing an editorial is a

strenuous exercise
particularly when it
comes to writing for Science
Journal. One runs the risk of
being accused of subjecting
one's readers to torture and
that thought has certainly crossed
my mind. However, that is our
greatest challenge, to dispel the myth
that Science is only for the scientific few
and has nothing of interest to offer to those
who have nothing to do with it.

An apple dropped on Newton's head and filled it with questions. "What made the apple fall on my head?" wondered the eminent scientist, which ultimately gave rise to more questions.

You don't need to be a rocket scientist or a robotics engineer to have innovative ideas. Ideas are just thoughts which have not been processed. Therefore, it is up to you to bring those ideas to life. Do you have the confidence to present your ideas with such impenetrable logic that forces your listeners to sit up and read or do you choose to hide behind the excuse that everything connected with science is boring?

Apples or bathtubs-anything or everything that gets human beings to set off on a journey of discovery needs to be saluted by means of the written word. Go ahead and put your ideas forth even if they are just vague thoughts. One must not forget that the idea of aircrafts flying in the sky

ntered the human mind long before these flying machines actually appeared in the sky.

-- Farthak Lupta



Volume 2, Issue 2

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Sir Chandra-Sekhara Venkata Raman, (1888 -1970) was an Indian physicist whose work was influential in the growth of science in the world. He was the recipient of the Nobel Prize for Physics in 1930 for making the discovery that when light traverses a transparent material, some of the light that is deflected changes in wave-

Science may set limits to knowledge, but should not set limits to imagination.

length.

-Bertrand Russell

A BOAT MADE OF PLASTIC BOTTLES!

If, for some reason, you had 2,010 empty plastic bottles to dispose of, what would you do? You would probably call the scrap dealer, right?

Xia Yu, a 36-year-old man who is a die-hard fan of recycling has built a functional boat out of plastic bottles! A resident of Xiangtan, Central Human Province, China, Xia Yu's first plastic bottle boat was built out of 1,500 plastic bottles and he sailed 35 miles in it.

Xia Yu collected these bottles from around his tea stalls where they were carelessly tossed by his customers. After he had collected a substantial amount, he decided that it was time to put his plan into action.

The result of his hard work was a boat that was seven metres long and had five sails. The tallest sail had a special message that read "Low carbon emission, beautiful world".

This boat underwent several trial runs .It sailed 40km a day, fighting whirlpools, rapids and strong waves of the Yangtze River in order to spread the message of protecting the environment by preventing dumping of waste into water bodies. Xia has sailed over 1,000 miles in his 'waste' boat and intends to keep sailing to spread his message.

This article caught our attention because we are also very careless when it comes to getting rid of plastic bottles. They are tossed out of moving vehicles or just thrown anywhere.

Of course, we must thank the rag pickers, most of whom are little children for helping with this problem. They scavenge for bottles from other people's garbage and sell them to scrap dealers. But have you wondered what happens to the bottles then? Are they truly recycled or just sold to unscrupulous companies who use them again?

In the next issue, we'd like to focus on the number of recycling plants in India that could help those who want to lend a hand.

-Sarthak Gupta (12S)





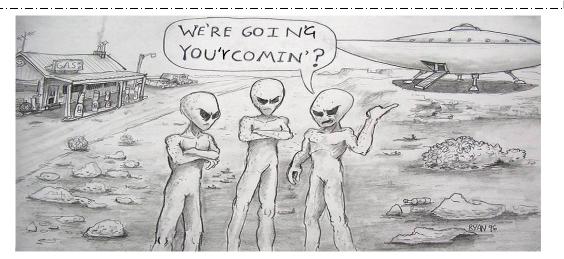
Who is the teacher in this picture?

Test your knowledge and win a delicious chocolate...

Quiz

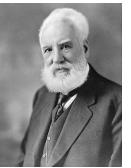
- -Which substance is mixed with steel to make it stainless?
- -Which planet weighs over twice as much as all the other known planets combined?
- -In years past what was used as transmission oil in Rolls-Royce automobiles?
- -How long does a nanosecond last?
- -How many different chemical reactions occur in the normal human brain every second?
- -What word defines sounds too low for human hearing?
- -Which planet in our solar system is most like the earth in size, mass, density and gravity?
- -What percent of average human brain is water?
- -What is the sticky wax obtained from sheep?
- -What is the trade name for the non-stick material used for coating cooking pans?
- -What name is given to the brittle kind of iron used for making engine blocks?
- -What kind of animal is an iguana?
- -What raw material is used for making glass?
- -Snowflakes are symmetrical. How many sides do they have?
- -DNA is found in which part of the cell?

-Ansul Modi (125)



What story comes to mind when you see this picture? Let your ideas flow and send in a story to win a delicious chocolate*.

-Tushar Arora (10A)



Alexander
Graham Bell
(March 3, 1847 –
August 2, 1922)
was an eminent
scientist, inventor, engineer and
innovator who is
credited with
inventing the
first practical
telephone.

"A scientific truth does not triumph by convincing its opponents and making them see the light, but rather because its opponents eventually die and a new generation grows up that is familiar with it."

-Alan Perlis

NICE QUESTIONS

I DO?

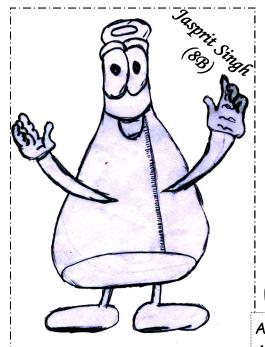


Benjamin Franklin (January 17, 1706 – April 17, 1790) was one of the Founding Fathers of the United States. A noted polymath, Franklin was a leading author, printer, political theorist, politician, postmaster, scientist, musician, inventor, satirist, civic activist, statesman, and diplomat.

> "A year spent in artificial intelligence is enough to make one believe in God.'

- Adam Smith





Which Phobia do you have???

Ablutophobia - Fear of washing or bathing. Achluophobia - Fear of darkness. Batophobia - Fear of heights or being close to high buildings. Bathophobia - Fear of depth.

Cacophobia - Fear of ugliness. Cainophobia - Fear of newness, novelty. Catoptrophobia - Fear of mirrors. Catapedaphobia - Fear of jumping. Didaskaleinophobia - Fear of going to school. Emetophobia - Fear of vomiting.

Eremophobia - Fear of being oneself or of loneliness.

Frigophobia - Fear of cold or cold things. Gerascophobia - Fear of growing old. Glossophobia - Fear of speaking in public. Hippopotomonstrosesquipedaliophobia - Fear of long words.

Motwani (12C)

Latrophobia - Fear of doctors. Katsaridaphobia - Fear of cockroaches. Pedophobia - Fear of children. Wiccaphobia - Fear of witches and witchcraft. Xenoglossophobia - Fear of foreign languages. Zoophobia - Fear of animals.

-Vagisha Singh(125)





PONT THINK ABOUT IT, YOU'LL WASTE YOUR TIME OPTING FOR SCIENCE YOU WON'T BE FINE MOREOVER YOUR MARKS WILL DECLINES SCIENCE IS SO BORING AND TOUGH, SOMETHING YOU CANNOT BLUFF ... YOU ARE SO WRONG MY FRIEN DS DOWLISTEN TO WHAT IINTEND.

SCIENCE GIVES US SUPERPOWERS LIKE LOOKING ACROSS THE UNIVERSE, SEEING ATOMS, FLYING ACROSS THE EARTH OR TO THE MOON, MOVING MOUNTAINS AND HARNESSING THE ENERGY OF



IMAGINE-CONQUERING THE GRAVITY, FORCE THE MOON, CHANGING AN ELEMENT INTO A DIFFERENT ONE "-IMAGINE IF WE COULD CONTROL THIS, IT WOULD BE SO MUCH FUN ... LISTEN TO ME-

WHAT FUN IT IS. TO RELAXXX AND SIT

DON'T LISTEN TO THE DEVIL INSIDE YOU, BE CONFIDENT AND OPT FOR IT, JUST LIKE I DID ...



IF THE DEVIL CONFUSES YOU, LISTEN TO THE ANGELO

NOTE: NO OFFENCE TO OTHER SUBJECTS

Arpita Mamgain (12S)



Galileo Galilei (15 February 1564-8 January 1642), commonly known as Galileo, was an Italian physicist, mathematician, astronomer and philosopher who played a major role in the Scientific Revolution. His achievements include improvements to the telescope and consequent astronomical observations.

True wisdom comes to each of us when we realize how little we understand about life, ourselves, and the world around us."

-Socrates

CLOCKWISE!

"Time to get dressed!" cries a busy mother as she tries to pack a bag, straighten a tie, pack lunch, tie shoelaces, and finally push into the school bus a reluctant child dragging his heels. Yes, dear readers, everyone and everything on this earth is time bound.

But have you ever taken a moment to wonder why the needles on the face of a clock move the way they do i.e. in the forward direction? Why do they only move from left to right? The earliest clocks invented in China around 100 A.D were sundials, which were simple devices that marked the moment of the sun with the moment of the earth. Mechanical clocks were invented in the northern hemisphere in the 14th century and the inventors naturally wanted the devices to follow the sun's movement in the sky.

In the northern hemisphere the sun appears to move in the sky from left to right and this is the reason why the hands of the clock were made to move in the forward direction. If you are in the northern hemisphere and face the south, you can watch the sun rising on your left(east), pass overhead and set in the right (west).



As simple as that! Come to think of it, if the mechanical clock had been invented in the southern hemisphere, the hands on the dial of your watch or the clock would have been moving from right to left! Do you know that there are some Jewish and Arabic clocks that run anti-clockwise?

-Vagisha Singh(12S)

TRIVIA

-Fingernails grow four times faster than toenails.

-Right-handed people live nine years longer than left-handed people.

- -If you rub an onion on your foot, you will be able to taste it within 30-60 minutes due to your bloodstream.
- -You can't kill yourself by holding your breath because you will soon become unconscious and then start to breathe again normally.
- -On one square of human skin there are 20 million microscopic creatures.
- -Giraffes can live without water much longer than camels.
- -The oceans contain enough salt to cover all the continents to a depth of nearly 500 feet.
 -Flies can jump 130 times higher than their own height. In human terms this is equal to a 6 feet tall person jumping 780 feet in the air.
- -The human eye blinks 42,00,000 times a year on average.

-PriyankaMohindra(9A)

The Tale of the Cup

Disposable paper cups have become quite popular in office pantries. Have you ever noticed that a paper cup has a lining of wax on the inside? When very hot liquids are poured into it, the wax disintegrates and is consumed by us! While our bodies can deal with such minor problems, frequent use of paper cups can lead to major complications. Stomachs lined with significant amounts of wax will soon be a common

ailment if nothing is done about it. What can be done to rid the stomach

of this wax demon?

Utensils made of glass, stainless steel and even ceramic cups are surely safer and healthier options that can prevent unnecessary trips to the hospital.

-Shubham Vig (12S)

FACT FINDER

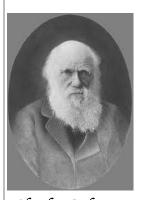
- -Wearing yellow makes you look bigger on camera, green makes you look smaller.
- -Approximately one third of the total population cannot snap their fingers.
- -There is a city called Rome in every continent.
- -Astronauts get taller when they are in space.
- -It's proven that the surgeons who listen to music during an operation perform better than those who don't.
- -Cats make about 100 vocal sounds while dogs make about 10.
- -Apples are actually a part of the rose family.
- -You are about one centimetre taller in the morning than in the evening.
- -In 1830s, ketchup was sold as a medicine.

-Chandresh Jain (&B)

What happens when we fall asleep?

Scientists have learned a lot about what happens when you lie down, close your eyes, and fall asleep. A lot of research has revealed that the eyeballs move back and forth while you are is asleep. Scientists call this kind of sleep REM sleep. REM stands for rapid eye movement. Even the body and mind are not as rest when you fall asleep. There is another kind of sleep in which the eyeballs don't move at all. Scientists call this NREM sleep. NREM stands for non- rapid eye movement. Your brain is not very busy during NREM sleep. You go back and forth between REM and NREM sleep all night long.

—Arpita Mamgain (125)



Charles Robert Darwin (12 February 1809 – 19 April 1882) was an English naturalist. He established that all species of life have descended over time from a common ancestry, and proposed the scientific theory that this branching pattern of evolution resulted from a process that he called natural selection.

"A satellite has no conscience."

- Max Planck