

THE QURRIO

Mag

THE TIME TRAVEL ADVENTURE



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PIS Chh. Sambhajinagar

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FROM THE PRINCIPAL'S DESK

Dear Students, Parents, and Staff,
Greetings!

Welcome to another exciting edition of
our school newsletter!

This month, we embark on a thrilling
journey through time with our theme,
"Time Travel Adventure."

Imagine stepping into a time machine
and exploring the wonders of the past, the
marvels of the present, and the
possibilities of the future. Time travel isn't
just a concept from science fiction; it's a
way to ignite our curiosity and expand our
understanding of the world.

As we delve into this adventure, let's
reflect on the lesson's history has taught
us, appreciate the advancements of
today, and dream about the innovations
of tomorrow. Our students have been
engaging in creative projects, from
building models of ancient civilizations to
envisioning futuristic technologies.

These activities not only enhance their
knowledge but also foster critical thinking
and creativity. I encourage everyone to
participate actively in our time travel-
themed events and discussions. Share your
ideas, ask questions, and let your
imagination soar. Together, we can make
learning an exciting and dynamic
experience...!

Thank you for your continued support and
enthusiasm.

Let's make this "Time Travel Adventure" a
memorable journey for all!

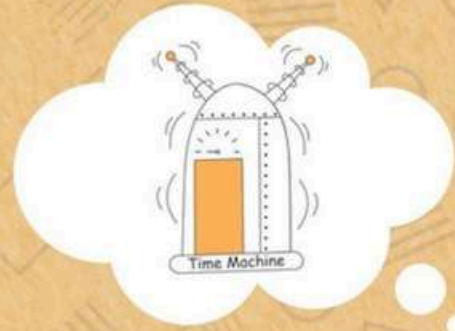
Warm regards,

Yours truly,
Dr Raghuv eer Y V

Let's understand time travel



The ability to jump forward and backwards in time has long fascinated science fiction writers and physicists alike. So is it really possible to travel into the past and the future?



Is Time Travel Possible?

The Short Answer: Although humans can't hop into a time machine and go back in time, we do know that clocks on airplanes and satellites travel at a different speed than those on Earth.

We all travel in time! We travel one year in time between birthdays, for example. And we are all traveling in time at approximately the same speed: 1 second per second.

When we think of the phrase "time travel," we are usually thinking of traveling faster than 1 second per second. That kind of time travel sounds like something you'd only see in movies or science fiction books. Could it be real? Science says yes!

How do we know that time travel is possible?



More than 100 years ago, a famous scientist named Albert Einstein came up with an idea about how time works. He called it relativity. This theory says that time and space are linked together. Einstein also said our universe has a speed limit: nothing can travel faster than the speed of light (186,000 miles per second).

What does this mean for time travel? Well, according to this theory, the faster you travel, the slower you experience time. Scientists have done some experiments to show that this is true.

For example, there was an experiment that used two clocks set to the exact same time. One clock stayed on Earth, while the other flew in an airplane (going in the same direction Earth rotates).

After the airplane flew around the world, scientists compared the two clocks. The clock on the fast-moving airplane was slightly behind the clock on the ground. So, the clock on the airplane was traveling slightly slower in time than 1 second per second.





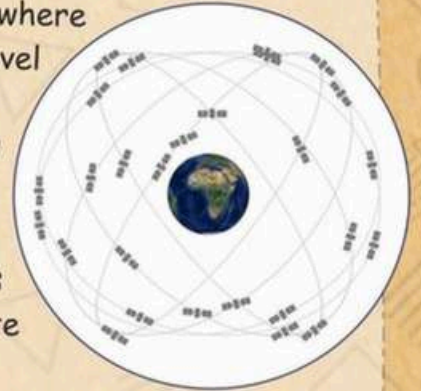
Can we use time travel in everyday life?

We can't use a time machine to travel hundreds of years into the past or future. That kind of time travel only happens in books and movies. But the math of time travel does affect the things we use every day.

For example, we use GPS satellites to help us figure out how to get to new places. NASA scientists also use a high-accuracy version of GPS to keep track of where satellites are in space. But did you know that GPS relies on time-travel calculations to help you get around town?

GPS satellites orbit around Earth very quickly at about 8,700 miles (14,000 kilometres) per hour. This slows down GPS satellite clocks by a small fraction of a second (similar to the airplane example above).

However, the satellites are also orbiting Earth about 12,550 miles (20,200 km) above the surface. This actually speeds up GPS satellite clocks by a slighter larger fraction of a second.



(Picture of GPS Satellites orbit around Earth)

Here's how: Einstein's theory also says that gravity curves space and time, causing the passage of time to slow down. High up where the satellites orbit, Earth's gravity is much weaker. This causes the clocks on GPS satellites to run faster than clocks on the ground.

The combined result is that the clocks on GPS satellites experience time at a rate slightly faster than 1 second per second. Luckily, scientists can use math to correct these differences in time.



If scientists didn't correct the GPS clocks, there would be big problems. GPS satellites wouldn't be able to correctly calculate their position or yours. The errors would add up to a few miles each day, which is a big deal. GPS maps might think your home is nowhere near where it actually is!

To summarise, we can say that yes, time travel is indeed a real thing. But it's not quite what you've probably seen in the movies. Under certain conditions, it is possible to experience time passing at a different rate than 1 second per second. And there are important reasons why we need to understand this real-world form of time travel.



If I met someone from the past...



Einstein

One fine Sunday morning, I was sitting besides the statue of **THE GREAT CHHATRAPATI SHIVAJI MAHARAJ** thinking about his bravery. Suddenly, a man having a beard, a crown on his head and sword on his waist with a very impressive dress like Maharaja appeared in front of me. Before I could guess who was that person, the man smiled and told me "Beta, I am **SHIVAJI SHAHAJI BHOSALE**, you all call me as **CHHATRAPATI SHIVAJI MAHARAJ**. Don't get surprised. I also wanted to meet you and talk with you. I am standing in Main Chowk of every city and silently watching to my people." I was shocked and couldn't express myself but somehow I bowed and touched his feet to seek his blessings. I was feeling happy and blessed.

Very lovingly he patted me and asked about my whereabouts. I told him that how much we all love him and gives respect to him. But with my answer Maharaj didn't look happy. I asked him, "Maharaj ji what happened, why are you looking tired and unhappy? Maharaj replied, "Beta I am watching how my "**SWARAJYA**" being growing, flourishing and declining as well. My Rayat got transformed into very developed people but peace and happiness is missing. It seems that everyone is running behind their own goals selfishly. I wanted my people to live happily without quarrels. But what is this, I am seeing every day in this '**KRANTI CHOWK**' one or the other protests are happening. Everyone is fighting against their own people. My daughters, sisters are not feeling safe. This was not my dream Swarajya. See all my Durgs! Either they are ruined or just becoming garbage stops after picnic and parties of youngsters. All people are forgetting how I fought against all Islamic Badshah to protect my people and gave them Independence. But I think they don't have value of Swarajya and Independence."

Then he continued and asked me, "Beta what is this instrument which is almost in everyone's hand?" I realized that he was enquiring about mobile. I gave him information about Mobile. Then he laughed and said, "Ohh no! At our times kids as well as youth used to do horse riding, swimming and kusti, but now it seems that you all are behind this toy called Mobile." He was laughing but I was confused if he had an unhappy feeling in his heart. He asked me, "What do you want to become in future?" I answered him that I want to become Doctor and serve poor and needy patients. He became very happy after listening my answer. He told me to tell everyone that "Nation First" should be everyone's aim.

As soon as the horn honked, I realized that I was in the chowk near Maharaj's statue I felt that Maharaja is still smiling at me! **Thank you respected Shivaji Maharaja for awakening my senses!**

Elizabeth I

Columbus

Mother Teresa

Alexander

Razia Sultana



- Avadhoot S. Annachhatre
Class 8A



Nikola Tesla

Savitribai Phule

Did you know?

Egyptian Civilization



Most Ancient Egyptian pyramids were built as tombs for pharaohs (rulers of Ancient Egypt) and their families. To date, over 130 pyramids have been discovered in Egypt.



The Pyramid of Khufu at Giza is the largest Egyptian pyramid. It weighs as much as 16 Empire State buildings.



The Ancient Egyptians invented lots of things we still use today, such as paper, pens, locks and keys and - believe it or not - toothpaste!

Cats were considered sacred animals by the Ancient Egyptians. Most families had a pet cat, which they believed would bring the household good luck!



Ancient Egyptians believed in more than 2,000 deities! They had gods for everything, from dangers to chores! Each God had different responsibilities and was worshipped so that life could be kept in balance.



Indus Valley Civilization

The city of Mohenjo-Daro was prone to flooding. Archaeologists have discovered that this ancient city was rebuilt seven times due to flooding.



The people of the Indus Valley created beautiful works of art out of metal, such as the famous Bronze 'Dancing Girl of Mohenjo-Daro' statue.

The people of the Indus Valley civilization traded things like cotton, metals and exotic animals with the people of Ancient Mesopotamia.



In Mohenjo-Daro, the biggest structure found was a large communal bath called 'the Great Bath'.



It is believed that the people of the Indus Valley civilization invented buttons - they were made out of seashells!



Mesopotamian Civilization

Mesopotamia was the home of the Sumerians, who were the first to develop a standard writing system called cuneiform.



The city of Uruk is said to have had around 50,000 citizens at one point, which was a massive population for its time.



The invention of the wheel is credited to the Sumerians. The wheel they developed was used for pottery and its first use for transportation was 300 years later.



Mesopotamians developed glass, the Pythagorean Theorem, and ancient sanitation techniques.



Concepts such as the empire, the city, and the demarcation of hours, minutes, and seconds are all first attributed to Mesopotamia.



If I find a time machine...

One day, after a long day at work, I decided to take a short walk in the garden. My name is Aarav, and I am 25 years old. I work as a part-time police officer, solving cases where people are killed. I was walking for only five seconds when my chief suddenly approached me. "Hey! I saw an abandoned machine in the park. Go investigate it!" he said. I replied, "But this isn't a park!"

The chief shrugged and said, "Yeah, it's the same thing!"

I reminded him, "I investigate cases where people are killed!"

The chief didn't seem to care. "Oh yes, but... I don't care! Go investigate that machine!"

"Ugh! Okay!" I finally agreed. I went to check out the machine and spent hours cleaning it. After all that work, I realized it wasn't just any machine - it was a time machine! I had always dreamed of traveling back in time. This was my chance!

The machine had three buttons. The first button would take me 12 years back. The second button allowed me to choose any year I wanted to go to, and the third button let me pick how many years back I wanted to travel. My biggest wish was to save my friend Chris, who I had lost in the past. I thought to myself, "Maybe I can change the present by doing something different in the past!"

Without wasting time, I pressed the first button, and to my amazement, I really traveled back in time!

As I stood there, back in the past, I knew this was my chance to make things right and save my friend. The future was in my hands.

I took a deep breath, knowing I had the power to change everything. This time, I wouldn't let my friend Chris face the same fate. I hurried to the moment that could make all the difference, determined to act. With each step, I felt more confident that I could rewrite history for the better. As I made the crucial decision that would save Chris, I realized something important: it wasn't just about changing the past, but about learning from it. The choices I made today could create a brighter future for both of us.

- Aarav Jadhav III A



A Ruler from the past I admire...

India has seen many great rulers throughout its history, but the one who stands out to me is Ashoka the Great. Known as one of the most remarkable rulers of ancient India, Ashoka ruled the Mauryan Empire around 273 BCE to 232 BCE. His reign was not only expansive, but it also marked a significant change in Indian history due to his transformation from a conqueror to a peace-loving leader.

In the early part of his reign, Ashoka was known for his military conquests, including the infamous Kalinga War. This war, although victorious, deeply affected him. Witnessing the devastation and loss of life led Ashoka to a profound realization - that violence and conquest bring nothing but sorrow. It was after this turning point that Ashoka embraced Buddhism and its principles of non-violence, compassion, and tolerance.

What I admire most about Ashoka is his commitment to peace and justice. After adopting Buddhism, he focused on spreading its values not only in India but across Asia. He built stupas, encouraged education, and sent missionaries to far-off places to share the message of non-violence. He also established welfare projects, hospitals, and roads for the betterment of his people. His policies were inscribed on rocks and pillars across the empire, ensuring they were accessible to everyone.

Ashoka's transformation and dedication to the welfare of his people set a powerful example for rulers everywhere. His reign shows us that true strength lies in kindness, and that change for the better is always possible, no matter one's past.

His legacy continues to inspire, and that's why Ashoka the Great is a ruler from the past I admire.

- Ishaan Barve
IX B



Evolution of Clocks

16th Century BC

WATER CLOCK

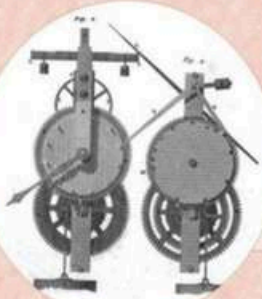
Time is measured by the regulated flow of liquid into or out from a vessel where the amount is then measured.



725 AD

EARLY MECHANICAL

Water powered cogwheel.



15th Century

SPRING DRIVEN

Earliest existing spring driven clock is the chamber clock given to Phillip the Good, Duke of Burgundy.



1657 AD

HAIRSPRING

Huygens and Robert Hooke invented the spiral balance, or the hairspring, designed to control the oscillating speed of the balance wheel.



1955 AD

ATOMIC

First accurate atomic clock, based on a certain transition of the caesium-133 atom, was built by Louis Essen at the National Physical Laboratory in the UK.



Ancient Times

SUNDIALS

Shows the time by displaying the position of a shadow on a flat surface, which has markings that correspond to hours.



150 BC

HOURLASS

Fine sand pouring through a tiny hole at a constant rate indicates an arbitrary predetermined passage of time.



1336 AD

ASTRONOMICAL

Large astrolabe-type dial, showing the sun, the moon's age, phase, and node, a star map, and possibly the planets.



1656 AD

PENDULUM

Christian Huygens determined the mathematical formula that related pendulum length to time.



1815 AD

EARLY ELECTRIC

Francis Ronalds published the first electric clock powered by dry pile batteries.



Imagine being at the Egyptian Pyramids, and suddenly, the Egyptian Mummy comes to life and greets you with a "hello." What would your conversation be?

During our family vacation to Egypt, visiting the Great Pyramids was the highlight of our trip. As an Indian student fascinated by history, I was thrilled to see the ancient wonders I had read about in school. Standing in front of the towering pyramids was surreal. The grandeur, the history, and the mysteries buried within were awe-inspiring.

As we explored the site, I wandered off a little, drawn by the entrance to one of the tombs. Suddenly, out of nowhere, I heard a soft but clear "Hello." Startled, I turned around, and to my shock, standing before me was an Egyptian Mummy! At first, I froze, unsure of what to do. Here I was, standing face to face with an ancient figure wrapped in bandages, straight out of a history textbook!

To my surprise, the Mummy seemed friendly. It raised one hand in a gesture of greeting and repeated, "Hello." My fear quickly turned into curiosity. What could it possibly want? With a shaky voice, I returned the greeting, half-expecting to wake up from what felt like a strange dream.

The Mummy started to speak in broken English, and through our short conversation, I learned that it had been resting for centuries, watching the world change. It asked about life in modern India, about our culture, technology, and how people viewed history today. I couldn't believe I was having a conversation with a being from the past!

Just as quickly as it appeared, the Mummy gave me a nod and walked back into the shadows of the tomb. I stood there for a moment, trying to grasp what had just happened. Meeting an ancient Egyptian Mummy in person? That's definitely a story I'll be telling for years!

This encounter reminded me of how history can come alive, even in the most unexpected ways.

- Anushka Kapure IX B



Hello there...

(a monument speaks)

As I entered the grand ivory white mausoleum I heard a voice welcoming me to experience the fascinating brilliant work of Architecture and Art. I paid attention and to my disbelief it was the Taj itself talking to me.

Do you know what the word Taj Mahal means? It means the Crown of the Palace. The Mughal Emperor Shah Jahan commissioned to construct me in 1631 to house the tomb of his beloved wife Mumtaz Mahal. I am also home to the tomb of Shah Jahan himself.

It took almost 22 years for my construction with the employment of more than 20000 workers and artisans under the guidance of a board of Architects led by Ustad Ahmed Lahori, emperor's court Architect.

I am one of the seven wonders of the world and designated as UNESCO world's heritage site in 1983 for being the "Jewel of Islamic Art" in India. More than 5 million visitors from the world over come to experience my marvelous structure and grandeur. It is a great delight to see the people admiring my beauty with awe. The combination of color, shape, symmetry and proportions makes me a unique monument. Instead of opting for any colored stone white marble of highest quality was used to make me look more graceful. The shape of my overall structure along with Arched doorways called Iwans and the shape of my dome were the most evolved shapes than all others used by the previous Emperors. The symmetry is maintained by Iwans on all the sides along with 4 smaller domes surrounding the central dome. The size of all minarets along with the size of dome is one of the key element of my composition.

Great emphasis was given on minor details such as lattice windows or Jalis with interlocking hexagonal patterns, semiprecious stone inlays and carving. I am surrounded by with Mughal gardens comprising of symmetrical landscapes with trees & flowering plants, fountains and water bodies.

For past 400 years i have witnessed different rulers, wars and invasions. Since past few decades I have been affected by environmental pollution which has slightly changed my color to yellow. The government is taking measures to reduce the emissions from the industrial area surrounding my structure.

MEER. MASHADI
CLASS V-A



Who said it?

1. Life is like riding a bicycle.
To keep your balance, you
must keep moving.



2. Genius is one percent inspiration
and ninety-nine percent perspiration.



4. That's one small step for a
man, a giant leap for mankind.



3. You must be the change
you wish to see in the
world.



6. The best and most beautiful things in the
world cannot be seen or even touched-
they must be felt with the heart.



5. "In the end, it's not the
years in your life that count.
It's the life in your years."



7. All that glitters is not gold.



8. The greatest glory in living
lies not in never falling, but in
rising every time we fall.



9. Spread love everywhere you go. Let
no one ever come to you without leaving
happier.

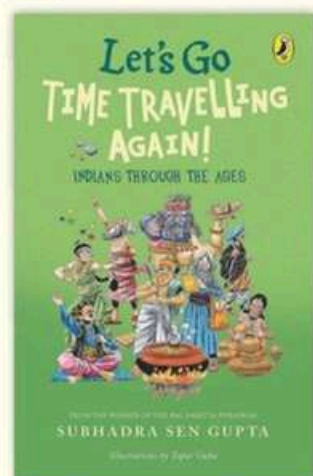


Book Recommendations

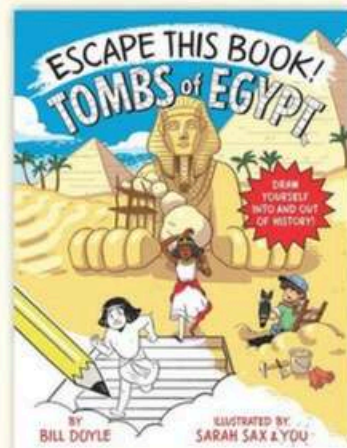
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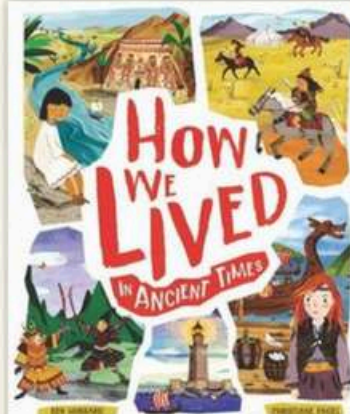
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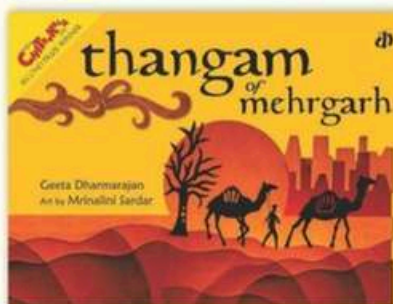
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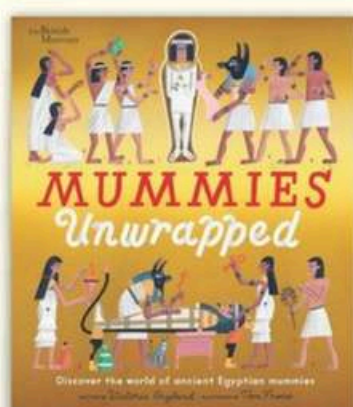
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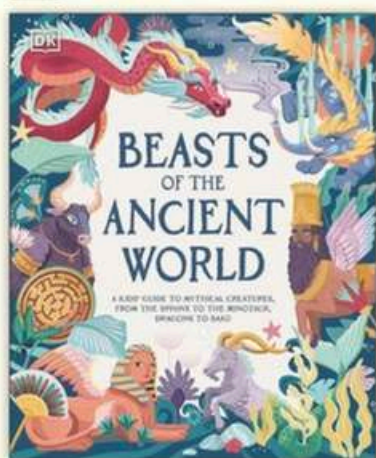
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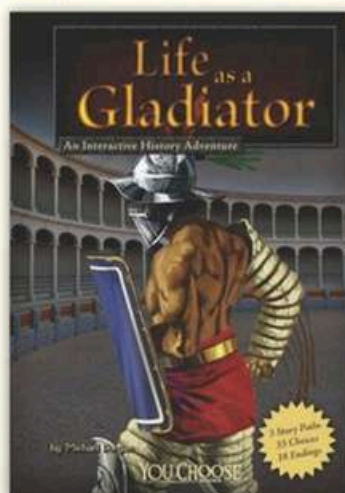
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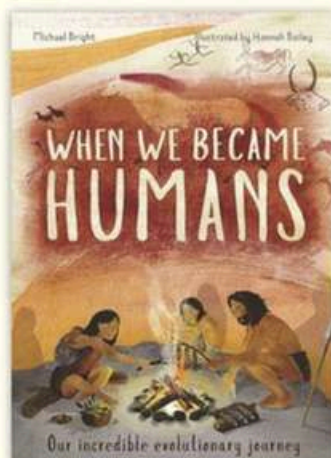
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Movie Recommendations

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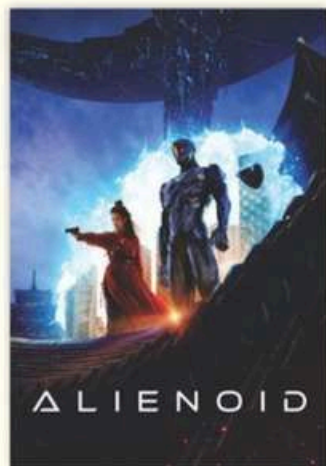
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5



6



7



8



9



Title of the Movie/Book:

The Secret Garden

Movie/Book Summary:

The Secret Garden (2020) is a fantasy drama based on the classic novel by Frances Hodgson Burnett. It follows Mary Lennox, a young orphan sent to live with her uncle in a mysterious, isolated mansion. While exploring, she discovers a hidden, magical garden that has been locked away for years. As she nurtures the garden, it brings healing and transformation to her, her sickly cousin Colin, and the household, revealing themes of friendship, hope, and the power of nature to heal emotional wounds.

Movie/Book Reviewed By:

Meer Mashadi 5th A

How many hearts will you give to this movie?

(1 heart means the movie was really bad 5 hearts means it was great!)



Title of the Movie/Book:

The Dark Knight

Movie/Book Summary:

The Dark Knight (2008), directed by Christopher Nolan, is a gripping superhero film that transcends its genre with complex themes of chaos, morality, and sacrifice. It follows Batman as he battles the Joker, portrayed with chilling brilliance by Heath Ledger, whose performance is widely acclaimed and earned a posthumous Oscar. The film masterfully combines intense action sequences with a thought-provoking narrative, exploring the moral dilemmas a vigilante hero faces. With an evocative score and strong performances, The Dark Knight remains a modern classic, elevating superhero cinema to new heights. It may not have the best action sequences compared to the other versions of Batman, but it has, hands-down, given us the best Superhero film ever, along with being the 3rd best film ever made, according to IMDb.

Movie/Book Reviewed By:

Shagun Nalawade IX C

How many hearts will you give to this movie?

(1 heart means the movie was really bad 5 hearts means it was great!)



Spotlight @PIS

A Big Shout Out To Our
Achiever Students This Year!



Avanish Nath IX C

3rd Place In MUN at MGM, district level
Namochashak Matches Basketball Medal
IEO Olympiad Gold Medal



Anandi Nikam IX A

MSM Basketball Tournament
Runner-Up Trophy
Man Of The Match In Champions 5*5
Tournament



Jay Bhargava X C

District Marathon Gold Medal
District Level 'Dhyaanachand' Basketball
Tournament Gold Medal



Shreyash Landge IX C

National Level Best Goalkeeper Award
District Level Chess Silver Medal



Shreeraj Balande IX C

Fencing Federation National Level 8th Rank



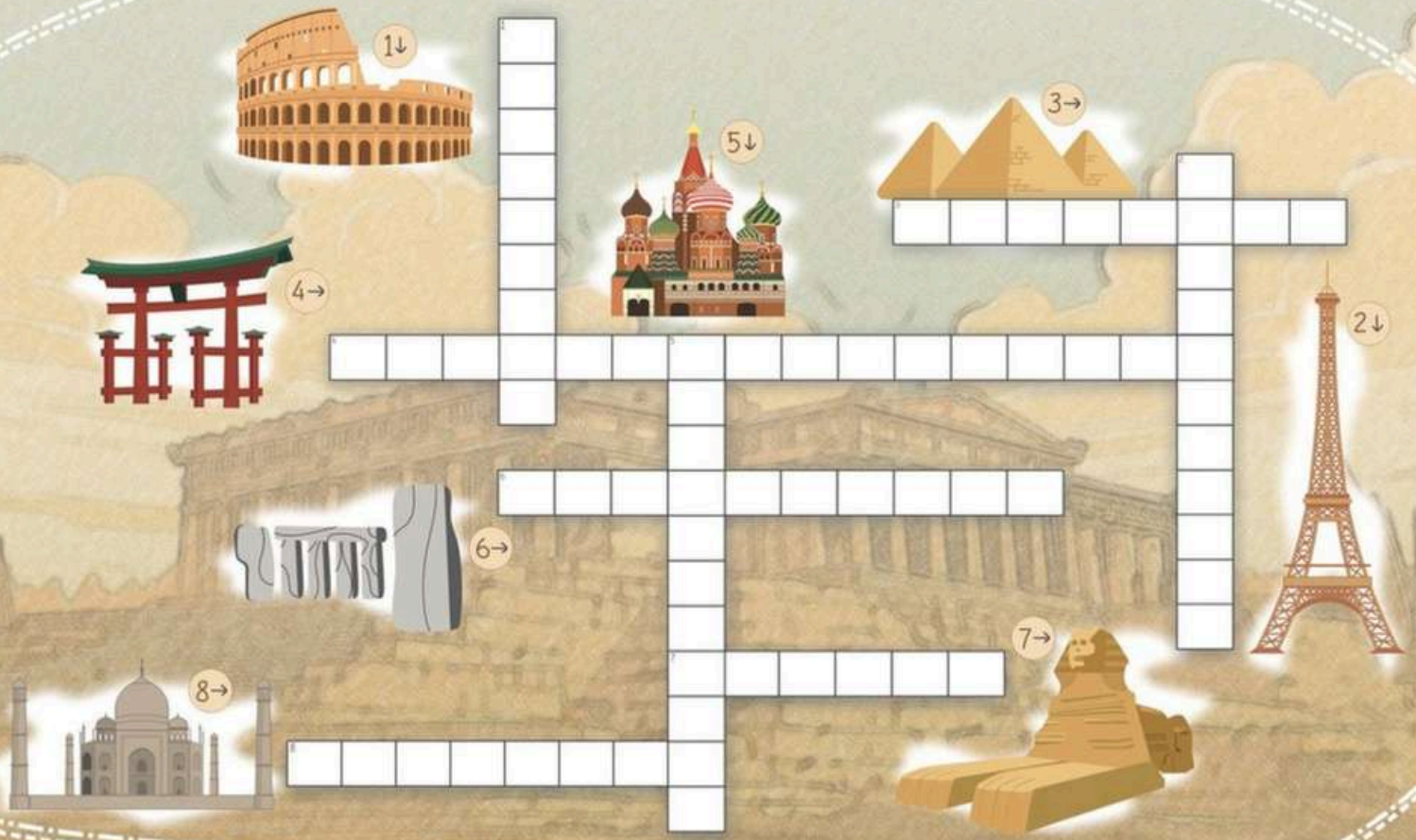
Aditya Ghodke IX C

National Level Karate Gold Medal



Brain Play

Picture crossword



Find your way to the Pharaoh through this maze.



Time Travel Crafts

DIY Time Capsule

Step 1 - Choose a container for the time capsule.

Step 2 - Assemble your contents to be put into the container such as -

- ~ A letter for your future self
- ~ Family photo
- ~ Toys
- ~ Goals and aspirations
- ~ Anything you would like to give your future self

Step 3 - Put all your assembled things inside the container.

Step 4 - Seal the container and write your name or year on it.

Step 5 - Find a location to bury/hide the time capsule container.

Step 6 - Click a picture of where you'll hide the container and then hide it.



DIY Pharaoh Mask

Things required to make the mask

- ~ Cardboard paper or any thick paper
- ~ Glue
- ~ Sketch-pens
- ~ Colour paper or colours

Can you solve this riddle?

“There is an ancient invention still used in some parts of the world today that allows people to see through walls.”

Answer: Window

An Ancient Recipe

Imagine had you been washed ashore four millennia ago on the banks of the now lost river of Saraswati and hitched a bullock cart ride to Farmana in the Ghaggar valley near modern-day Delhi, here's what you might have eaten - a curry.

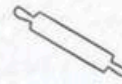


Here is the 4000 year old 'original' curry recipe from the Indus Valley Civilization.



Ingredients

- > 6-7 small brinjals, washed and slit
- > 1-inch piece of ginger (paste)
- > 1 fresh turmeric paste, or $\frac{1}{4}$ tsp turmeric powder
- > Salt
- > 1tbsp raw mango cut into cubes
- > 2-3tbsp sesame oil
- > $\frac{1}{4}$ tsp cumin
- > Sugar to taste



Method:

Wet grind the ginger, turmeric and cumin seeds. Heat sesame oil, add the paste and cook for a couple of minutes. Tip in the brinjal, add some salt and give it a good stir. Cover and cook until the brinjals are nearly cooked through; add some water, if need be. Now, stir in the mango and sugar. Simmer for a few minutes or until the mango is cooked. Check seasoning and serve with bajra roti (pearl millet flatbread).



