

काङ्क्षन्तः कर्मणां सिद्धिं यजन्त इह देवताः ।  
क्षिप्रं मानुषे लोके सिद्धिर्भवति कर्मजा ॥

My Dear Board Students,

This Shloka is an excerpt from Bhagavad Gita. It states that success is achieved by putting in effort. You need to put in your best as you are on the verge of appearing for your Board examination. I have no doubt that you must be prepared well but remember one thing. Hard work is the key to success, provided it is executed in right direction. You should have a well-planned time schedule, it will help you to systemize your learning process. Revision is the most important part of doing well, it will clear your concepts and will remove your doubts. Be regular with your studies. Don't take stress. Look after your wellness and believe in yourself. Last but not the least, your teachers are by your side and always available for you.

All the best

Ms. Meena Kothari  
Editor

### EDITORIAL TEAM

- ★ Ms. Vandana Aswal
- ★ Ms. Niharika Rawat
- ★ Ms. Seema Thapliyal
- ★ Ms. Laxmi Negi
- ★ Ms. Poonam

## HIGHLIGHTS

- ✦ Biographia Literaria- Lata Mangeshkar
- ✦ Artificial Sun
- ✦ An Interview with School Gardener
- ✦ Verses
- ✦ Current Affairs
- ✦ Surprise And Fun Together
- ✦ Brainstorming
- ✦ GCEI : My GCEI Journey
- ✦ Uttarakhand Diary:-  
Traditional Dance forms of Uttarakhand
- ✦ Career Point
- ✦ Art Gallery

## EVENTS OF THE MONTH

★ National Science Day

★ ACTIVITIES ★

Science Activity





**Lata Mangeshkar**  
**(28 September, 1929- 6 February, 2022)**

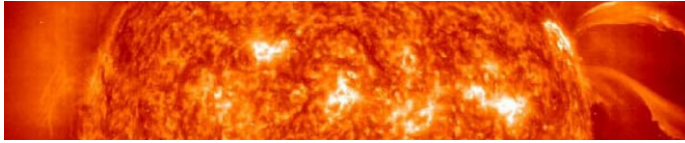
Lata Mangeshkar was born on September 28, 1929 in Indore. She was an Indian playback singer and music composer. She was also known as 'The Nightingale of India'. She had worked in various spheres of Indian popular and light classical music. She also sang Ghazal, Bhajan and pop songs. Her first song was 'Nachu Yaa Gade' but this song was never released. She sang this song for a Marathi movie but the song was cut from the final release of the film. In 1943, she recorded her first Hindi song for a Marathi film.

Upon moving to Mumbai in 1945, Lata Mangeshkar began to study Hindustani classical music with Ustad Amanat Ali Khan, but after partition he migrated to Pakistan. Then she started with Pt Tulsi Sharma and Amanat Khan Devaswale. She got her first break in 1948 when she sang a song in Hindi film 'Majboor' composed by Gulam Haider. After that her life was never the same. She even became the most recorded artist in the world with the Guinness Book of World Records. In many languages her voice has breathed life into thousands of songs. She was also nominated to Rajya Sabha in 2000 for her contribution to vocal art and melody.

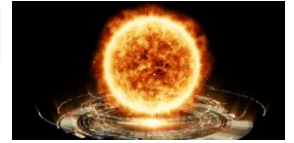
She received several awards and honours throughout her career. In 1989, 'The Dadasaheb Phalke Award' was bestowed her by the government of India. In recognition of her contributions to the nation, she was awarded by 'The Bharat Ratna' in 2001.

Lata Mangeshkar died of multiple organ dysfunction syndrome on February 6, 2022 at the age of 92. Despite being such a great name, she appeared to be a simple person at heart. We are grateful to Lata Mangeshkar for her contribution to music. Her voice will always remains in our hearts.





# Artificial Sun



This is an era where every country in the world is trying to develop an alternate of natural resources. China has successfully developed an artificial sun, a nuclear fusion reactor that could generate energy for many years.

The EAST (Experimental Advanced Superconducting Tokamak) reactor made by Chinese maintained a temperature of 158 million degrees Fahrenheit for 17 minutes. This achievement brings scientist a small yet significant step closer to the creation of a source of near-unlimited lean energy.



The reactor generates power by applying powerful magnetic fields to hydrogen to compress it until it creates a plasma that is ten times hotter than the nuclear of the sun and generates enormous amount of energy when the atoms fuse together. Fission is easier to achieve but it generates waste while fusion is a nuclear technology that can produce high levels of energy without generating large quantities of nuclear waste.



By copying the physics of giant stars like our sun, nuclear fusion reactors merge atomic nuclei to create energy in massive amounts which may be turned into electricity. In the absence of fossil fuels & toxic waste, nuclear fusion is cleaner and more environment friendly than our current methods.

Scientists believe that nuclear fusion could help in future for providing various energy resources like creation of electricity, boiling of water, running of fuel less cars etc.

## AN INTERVIEW WITH OUR SCHOOL GARDENER, Mr Gurcharan Roul

Today we are very excited of having an opportunity to interview the gardener of our school, Mr. Gurucharan Roul. Gardening is an excellent hobby for people who love plants and want to spend a stress free life living with nature.

**Sandhya-** Sir, for how many years have you been working in our school?

**Mr. Gurucharan -** I have been working in DIPS for 13 years.

**Ritu-** What excites you about your job?

**Mr. Gurucharan-** I like gardening and looking after plants and taking care of them.

**Ritu -** What type of plants and flowers are found in our school?

**Mr. Gurucharan-** There are variety of flowers like Bougainvillea, Marigold, Canna, Daisy, Dahlia, Aster etc. Also there are some seasonal plants like Pangea, Petunia, Dianthus etc.

**Sandhya-** What type of fertilizers do you use for growing plants?

**Gardener-** We use natural manure like 'cow dung' and urea to grow plants.

**Ritu-** Do all plants need same amount of water and type of atmosphere?

**Mr. Gurucharan-** No, we have variety of flowers and plants in our school therefore different plant requires different amount of water and atmosphere.

**Sandhya-** Is there any plant which need not much care?

**Mr. Gurucharan-** Yes, there are some permanent plants like Bottle Palm, Arica Palm, Cyrus Palm, Fish Palm etc. are some of the plants which can survive throughout the year and need less care and water.

**Sandhya-** Kindly tell us something about your family.

**Mr. Gurucharan-** My wife Mrs. Jayanti Roul is a homemaker and we have two sons, both are graduate. My elder son is doing job in Jharkhand. My family lives in Odisha. The name of my village is Kanchnada.

**Sandhya-** Thank you Sir for giving us time.



Sandhya Raturi & Ritu Ramola  
Grade-11B



## मेरा देश महान

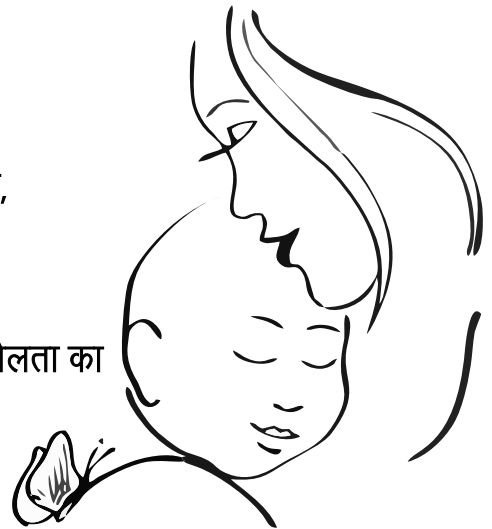
हमारा देश महान  
हमारे देश का नाम हिन्दुस्तान  
यहाँ पे बहती गंगा, यमुना, गोदावरी नदियाँ महान  
हमारे देश का नाम हिन्दुस्तान  
यहाँ पर राष्ट्रीय पक्षी, पशु मोर और बाघ  
हमारे देश का नाम हिन्दुस्तान  
हिन्दुस्तान में करते सबका मान सम्मान  
हमारे देश का नाम हिन्दुस्तान  
हमारे देश में सब एक समान  
हम करते अपने देश को प्रणाम  
हिन्दुस्तान—हिन्दुस्तान हमारा देश है महान ।



इशिका राणा  
कक्षा- 7 अ

## “माँ”

“माँ” एक ऐसा शब्द जिसमें मेरा संसार समाया है ।  
जो है मेरे जीवन का आधार, सारे सुखों की छाया है,  
अविकल, निश्चल बहती नदी, एक पवित्र ममतामयी छवि,  
घनी वृक्ष की छाया है ।  
“माँ” एक ऐसा शब्द जिसमें मेरा संसार समाया है ।  
“माँ” एक ऐसा शब्द जिसमें सागर सी गहराई व सहनशीलता का  
सरमाया है,  
जिसने मेरे जीवन को संवारने में अपना सुख चैन गवाँया  
है,  
त्याग की प्रतिमा, जिसमें ईश्वर का रूप समाया है वह अप्रतिम प्रेम का साया है ।  
“माँ” एक ऐसा शब्द जिसमें मेरा संसार समाया है ।  
“माँ” एक ऐसा शब्द जिसके प्रकाश ने अंधकार हटाया है  
जिसने मेरे दिशाहीन जीवन को सत्य का पथ दिखाया है,  
आदर्शों और अनुशासन का रूप जिसने जीवन का वास्तविक अर्थ समझाया है ।  
जिसने मेरी सफलता की खातिर अपना सर्वस्व लुटाया है,  
“माँ” एक ऐसा शब्द जिसमें मेरा संसार समाया है ।



स्वरित पाण्डेय  
कक्षा- 10 ब

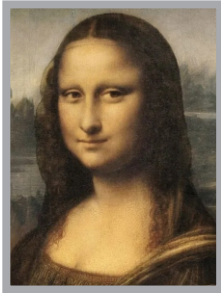


- Q.1- Known as the 'Badminton Queen' of Uttarakhand?  
Ans- Madhumita Bisht
- Q.2 In Uttarakhand, Pithoragarh is famously known as?  
Ans- 'Chhota Kashmir'
- Q.3 On which river is the 'Uttiyasu Dam Project' located in Uttarakhand?  
Ans- Alaknanda River
- Q.4 Where is 'Koteswar cave' located in Uttarakhand?  
Ans- Rudraprayag
- Q.5 Which is the smallest district in Uttarakhand in terms of area?  
Ans- Champawat
- Q.6 On the bank of which river is Badrinath Situated ?  
Ans- Alaknanda River
- Q.7 Which is the highest temple in Uttarakhand?  
Ans- Tungnath (Rudraprayag)
- Q.8 Which is the largest national park in the state of Uttarakhand?  
Ans- Gangotri National Park
- Q.9 First Indian to get Nobel Prize in Physics.  
Ans- C.V. Raman
- Q.10 First woman to receive 'Bharat Ratna'.  
Ans- Indira Gandhi
- Q.11 Which is the most productive state of wind energy in India?  
Ans- Tamil Nadu
- Q.12 In which state 'Jawahar Tunnel' (India's largest tunnel) is situated?  
Ans- Jammu & Kashmir





## Surprise & Fun Together



1. The Monalisa has no eyebrows.
2. Hot water turns into ice faster than cold water.
3. I'm is the shortest complete sentence in the English language.

4. Rhythm is the longest English word without a vowel.

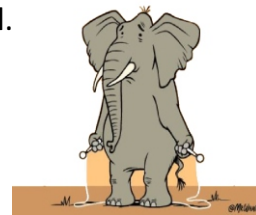
5. Honey is the only food that doesn't spoil.

6. Elephants are the only animal that can't jump.

7. Apple floats on water.

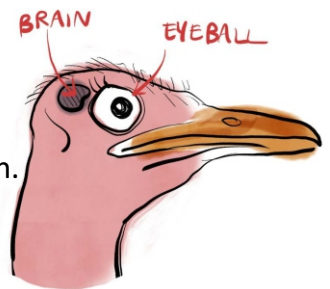
8. Number four is the only one with the same amount of letters.

9. Bees are formed everywhere in the world apart from Antarctica.



10. Caterpillars have 12 eyes.

11. An Ostrich's eye is bigger than its whole brain.



12. Octopus have blue blood and nine brains.



13. 20% of earth's oxygen is produced by the Amazon rainforest.

14. Giraffe tongue can be 20 inches long.

15. Australia is wider than the moon.

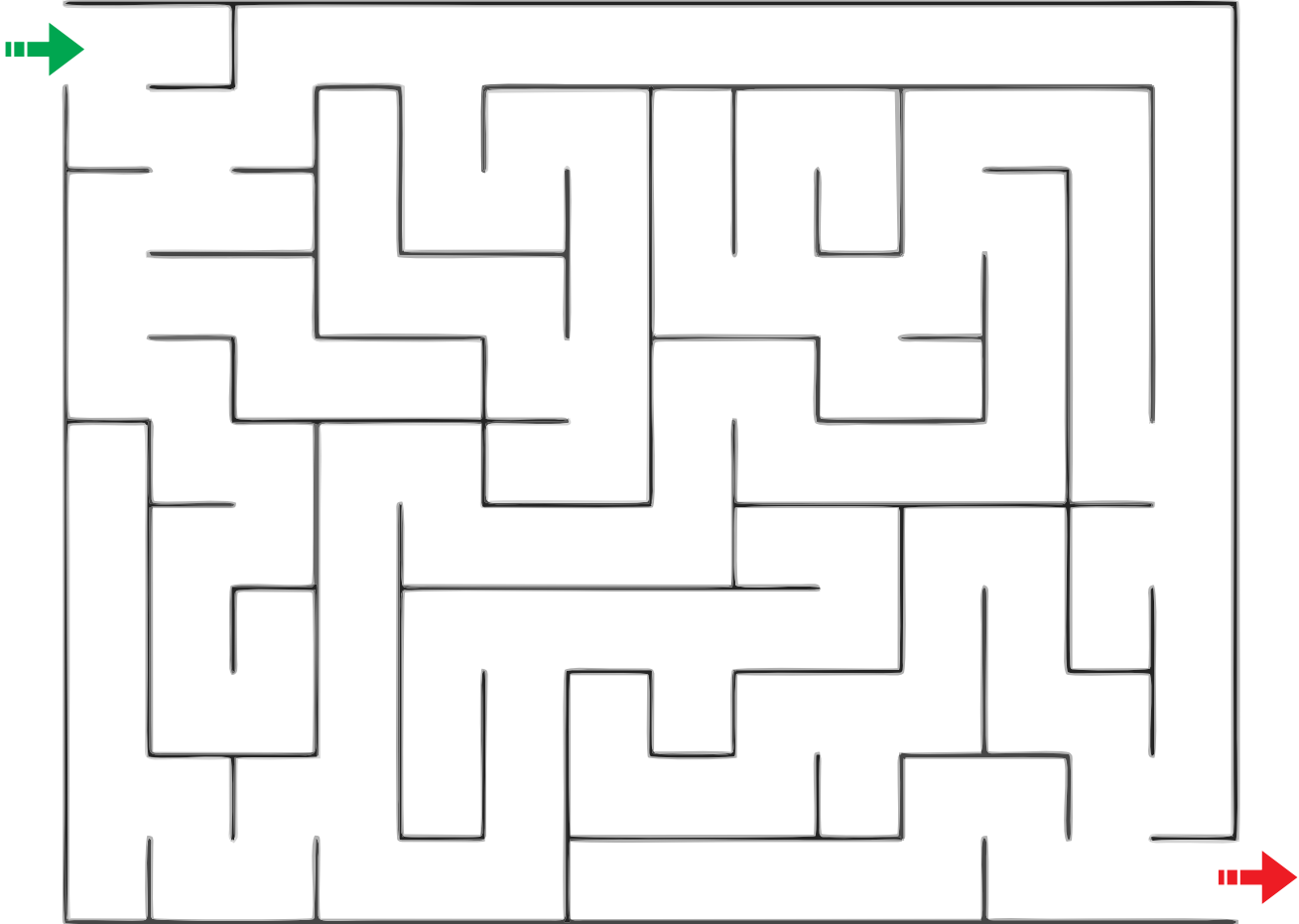
16. Snakes always keep their eyes open, even when they sleep.

17. The strongest muscles in the body is the tongue.

18. Ants take rest for around 8 minutes in 12 hour period.



## FIND THE WAY



**SUDOKU No-2 (Solved)**

8	1	6	7	2	4	9	3	5
2	9	3	6	5	8	7	4	1
4	7	5	9	1	3	2	6	8
9	3	8	2	6	5	4	1	7
5	4	1	8	7	9	3	2	6
6	2	7	3	4	1	5	8	9
1	5	9	4	8	2	6	7	3
3	6	2	1	9	7	8	5	4
7	8	4	5	3	6	1	9	2

**SUDOKU No-3**

4		6	5		2	8		9
				4			3	
								5
6			8			1		
5				7			8	
3		2	9		4		6	
	2		6					1
				5	3	9	4	
8	3			9				2

Sarthak Kalura  
Grade-7C

★ Result of Previous **CROSS WORD**.

**Cross :-** 1) South America 3) North America 6) Asia

**Down :-** 2) Europe, 4) Africa, 5) Antarctica 7) Australia





# Global Culture Education Initiative (GCEI)

## MY GCEI JOURNEY

It is not hidden from anyone that how important our nature is to us. We have been learning about nature since we were kids but are we really doing something for our nature? In life each one of you would have come across a situation for a moment where you would have seen people throwing garbage in river or ponds. But did you ever tried to stop that? I know it is easier said than done. If we notice around our surrounding we would see a lot of plastic waste. The use of plastic increased after the 2<sup>nd</sup> world war, so imagining the modern age life without plastic would be impossible today. Plastic is used in everything from medicine to helmets. But the most harmful is single use plastic which is made 40% every year, it stays on Earth for hundreds of years. From 1950s to 70s small amount of plastic was made so it was manageable but year by year it increased and now today we produce about 300 million tonnes of plastic waste every year and that's nearly equivalent to the weight of the entire human population. Because of this many animals are dying and humans are facing its bad effect in the form of water pollution and diseases.

When I joined GCEI, I became aware of how we humans have treated our earth. There are many people around the globe who are trying to make differences with their efforts. So with the similar mind set, I along with the GCEI team are doing our bit to make a difference in our own way. We are exploring options on how we can protect our environment. We are also trying to implement them. But I want everyone of you to take pledge to do something for our environment as well. Even a small effort can make a big difference.

After Being part of a GCEI programme I can see changes in my thought process with respect to the environment. I am learning that the world has much more to offer than we can imagine, and I am happily exploring it.

This journey is surely helping me to discover a better version of myself.

Anjali Bisht, Member of GCEI

Grade-11B

## TRADITIONAL DANCE FORMS OF UTTRAKHAND

Uttarakhand is famous for its beauty and ancient temples. Uttarakhand has beautiful scenery and mountain spots that gathers the attention of all visitors. Uttarakhand has a very rich culture and has various dance forms and folk songs. Folk dances represent the culture, tradition and history of a nation. The folk dances are performed at various occasions and on festivals. The Garhwal, Kumaon and Jaunsar-Bawar regions are famous for their folk dances.

### Types of Folk Dances of Uttarakhand

**Pandav Nritya:** Devbhoomi is also referred to as 'The land of the Pandavas' since they had made their way to this hill state in search of the stairway to heaven. This dance form is like an ode to these popular Mahabharata heroes where through the various dance styles the birth and death phases of the Pandav king are depicted. Different incidents of Mahabharata are showcased by the people here who dress up as these different characters. It is primarily performed during the holy eve of Diwali and Dussehra in a large area with a lot of dancers performing together in unison and is a sight to behold.



*Pandav Nritya : Folk Dances of Uttarakhand*

**Barada Nati:** Performed during religious events and other social functions. This dance form is the most popular one among the people of Jaunsar-Bawar area in Chakrata tehsil of Dehradun. Men and women take part in this dance and do so by getting dressed up in various colorful and traditional costumes. This dance form marks the beginning of any sort of a social gathering or puja ritual. This dance form is a representation of free spirits and purity of life and encourages people to relax for a while from all the mishappenings in life.



*Barada nati : Performed by the people of Jaunsar Bawar in Uttarakhand*

**Jagar (Ritual):** This hill folk dance is categorized in the spiritual and ghost worship which is accompanied with a regional folk song. A ritualistic dance is also performed in the form of puja ritual folk songs and sung with an aim of honouring various Gods and Goddesses. This dance performance is based on 50 different ballads dedicated to not only Gods and Goddesses but also on spirits, ghosts and even fairies.



*Basanti Bisht :Jagar Singer of Uttarakhand*

Vanshika Vishnoi

Grade-11B

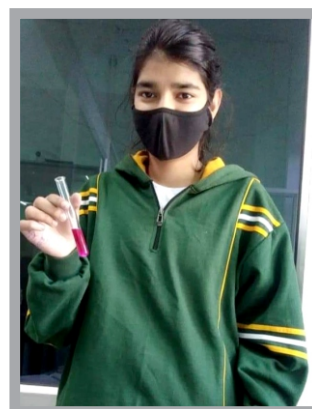
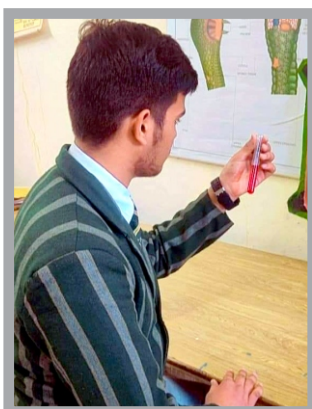
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## Events of The Month

### NATIONAL SCIENCE DAY

Science is the foundation towards the progress of a nation. Greeting to all scientists and science lovers on National Science Day. We remember the great legacy and contribution of Nobel laureate, Physicist Sir C.V. Raman.

**National Science Day**  
28<sup>th</sup> February, 2022



**Activity Coordinator**





## SCIENCE ACTIVITY

This activity was done by grade 6 students. Through this activity, students learnt the function of switch in an electric circuit and how a bulb is connected to an electric cell. All the students performed this activity enthusiastically.



## Career options after 12th

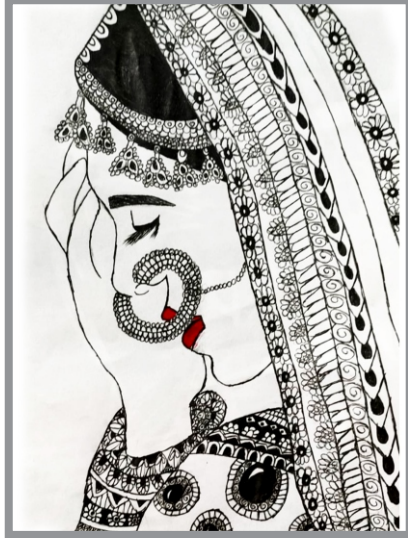
Science PCB ( Physics, Chemistry, Biology)	Science PCM ( Physics, Chemistry, Maths)
<ol style="list-style-type: none"> <li><b>MBBS</b> – Bachelor of Medicine and Bachelor of Surgery</li> <li><b>BDS</b> – Bachelor of Dental Surgery-The one who takes care of your teeth</li> <li><b>BHMS</b> – Bachelor of Homeopathy medicine and Surgery</li> <li><b>BAMS</b> – Bachelor of Ayurvedic Medicine Surgery</li> <li><b>BUMS</b> – Bachelor of Unani medicine and Surgery</li> <li><b>B. Pharma</b>-Bachelor of Pharmacy</li> <li><b>BPT</b>– Bachelor of Physiotherapy</li> </ol>	<ol style="list-style-type: none"> <li><b>BE/B.Tech</b>– Bachelor of Engineering</li> <li><b>B. Sc</b>– Bachelor in science (Physics/ Chemistry/Mathematics)</li> <li><b>B Arch</b> – Bachelor of Architecture</li> <li><b>NDA</b>– National Defence Academy</li> <li><b>BCA</b>– Bachelor in Computer Application</li> <li><b>BBA</b>– Bachelor of Business Administration</li> <li><b>B. Stat</b>– Bachelor in Statistics</li> </ol>
Commerce	Art/Humanities
<ol style="list-style-type: none"> <li><b>BBA</b>- Bachelor of Business Administration</li> <li><b>CA</b>- Chartered Accountancy</li> <li><b>B Com</b>- Bachelor of Commerce</li> <li><b>BFIA</b>- Bachelor in Financial and Investment Analysis</li> <li><b>BCA</b>- Bachelor in Computer Application</li> <li><b>B. Stat</b>- Bachelor in Statistics</li> </ol>	<ol style="list-style-type: none"> <li><b>BA</b>-Bachelor of Arts</li> <li><b>BFA</b>-Bachelor of Fine Arts</li> <li><b>LLB</b>-Bachelor of Law of Legislative</li> <li><b>BA Nat Tour</b>-Bachelor of Arts (Nature &amp; Tourism)</li> <li>Bachelor in Psychology</li> <li>Bachelor in History</li> <li>Bachelor in Political Science</li> <li>Bachelor in Geography</li> </ol>
Career Options for all Streams after 12th	
<ol style="list-style-type: none"> <li>Bachelor in Mass Communication</li> <li>Bachelor in Advertising</li> <li>Bachelor in Retail Management</li> <li>Bachelor in Public Relations</li> <li>Bachelor in Journalism and Mass communication</li> <li>Bachelor in Hotel Management</li> <li>Bachelor in Economics</li> <li>Bachelor in Event Management</li> </ol>	<ol style="list-style-type: none"> <li>Bachelor in Graphic Design</li> <li>Bachelor in Travel and Tourism</li> <li>Bachelor of Design in Fashion, Textile, Media, Interior</li> <li>Bachelor in Elementary Education</li> <li>Bachelor in English / Foreign Language</li> <li>Bachelor in psychology</li> <li>Bachelor of Library Sciences</li> <li>Bachelor of Social work</li> <li>Bachelor in Physical Education</li> </ol>



**Art Gallery**



**LAXMAN**  
Grade-7C



**AVANI GWARI**  
Grade-7A



**SHUBHAM RAMOLA**  
Grade-7C



**ANSHIKA CHAUHAN**  
Grade-3A



**PALLAVI BADONI**  
Grade-7A