



Master Lesson Plan

For

The Valley of Flowers

Board	Standard	Subject	Chapter	Language	Reference Link	Creatio
CBSE	STD IV	EVS	The Valley of Flowers	English	The Valley of Flowers	2020-12

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The Valley of Flowers

1. MS_Objectives_The Valley of Flowers

Notes to the teacher: This asset lays down the proposed plan for transacting this chapter.

It states the asset objectives of the MLP.

This asset is for teacher's reference and need not be taught to the students.

Students will be able to:

- examine the various parts of a flower.
- discuss the various uses of flowers in painting.
- appreciate certain facts about flowers.
- relate to some uses of flowers.
- enjoy some interesting facts about certain flowers.
- make floral album with pressed flowers.
- appreciate the beauty of flowers and realize the importance of caring for them.
- summarise all points on flowers and buds.

Time to teach	Asset Type	Theme	SubTheme
2 Minutes	Main Script	Flowers	Uses of Flowers, Parts of a and Buds, Uses of Flowers: Flower, Flowers and Buds

2. IQ_Did you know

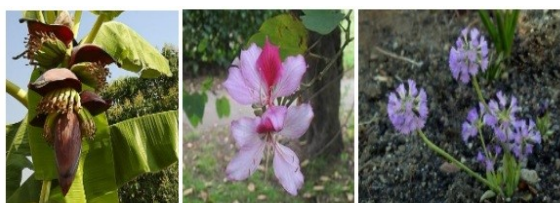
1. Are there any trees or plants that have no flowers? Give an example.

Ans: Yes. Money plant.



2. What are the flowers cooked at home as a dry vegetable, a gravy dish or a 'chutney'?

Ans: Vegetable and gravy – flower of banana, sahjan, (drumstick flowers) kachnar.



3. Name two flowers that can be used to make tea.

The flowers of Moringa can be put in boiling water for a calming tea.

Moringa, or drumstick, is a popular vegetable in South India. Jasmine flower and rose petals are also added to tea.

4. Some flowers are used in medicine? Name any two.

Ans: Rose, Cedar.

The paste of rose petals is used to treat digestive issues. Rose water is used to calm the irritation in eyes while rose tea is used to cure constipation.

Cedar is used to treat cough, cold, stomach pain relief, tuberculosis, fever reduce arthritis, and many others.

**Image Source:**

<https://www.pexels.com/photo/money-plant-1484448/>
<https://pixabay.com/en/banana-flower-small-bananas-shrub-174661/>
https://commons.wikimedia.org/wiki/File:Moringa_oleifera_flowers.jpg
<https://pixabay.com/en/cedar-cedar-branch-branch-needle-526662/>

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Inquisitive Questions	Flowers	Flowers and Buds, Flowers

3. MS_Flowers and Buds**Notes to the teacher:**

Teacher may start the session by interacting with the students about the following:

1. What is a 'Valley'?

Possible answer: Valley is the area of land between two hills or mountains.

2. Have you visited any place where there are only flowers as far as you can see?

Possible answer: Yes. I have visited a garden that has many plants and trees with flowers.

Teacher may then continue to explain about the “Valley of Flowers” in Uttaranchal in India Teacher

points to Uttaranchal on the map.



Valley of flowers national park is located in Garhwal Region of Uttaranchal State in India. This valley was discovered in the year 1931.

This place has flowers everywhere. It’s called the ‘Valley of flowers’.

The valley is filled with miles and miles of beautiful colourful flowers. Many people call it ‘Heaven on Earth’.



Flowers and Buds

FLOWERS:

Flowers are an important part of flowering plant.

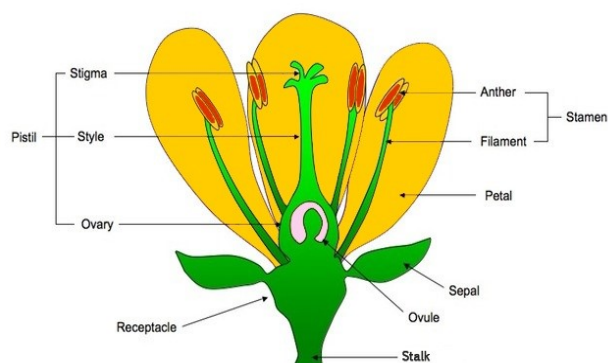
It is called the bloom or blossom.

Flowers have petals.

Inside the flower there are the parts that produce the seeds.

In all plants, a flower is usually the most colorful part.

Parts of flower



Parts of a flower

A flower has 4 main parts.

- **Pistil**
- **Stamen**
- **Petals** (colorful part)
- **Sepals** (modified **leaves** that protect the developing **flower bud**).

Bud:



- A bud is a baby plant shoot.
- The buds are formed on the tips of stems or at the base of leaves.
- Buds can develop into flowers or small shoots, and can also contribute to general shoot growth.



Difference between a flower and a bud

A small part that grows on a plant and develops into a flower is called a bud. A flower, developed from a bud, is the reproductive structure of a plant.

Buds actually form the very early phase of flower formation.

Image Source:

https://hi.wikipedia.org/wiki/%E0%A4%9A%E0%A4%BF%E0%A4%A4%E0%A5%8D%E0%A4%B0:Valley_of_flowers_uttaranchal_full_view.JPG
https://ml.wikipedia.org/wiki/%E0%B4%AA%E0%B5%8D%E0%B4%B0%E0%B4%AE%E0%B4%BE%E0%B4%A3%E0%B4%82:India_Uttaranchal_locator_map.svg
<https://commons.wikimedia.org/wiki/File:Parts-of-a-flower.png>
<https://pixabay.com/en/rose-flower-flower-bud-bud-bloom-3024781/>
<https://pixabay.com/en/dahlia-dahlias-bud-flower-bud-3542895/>

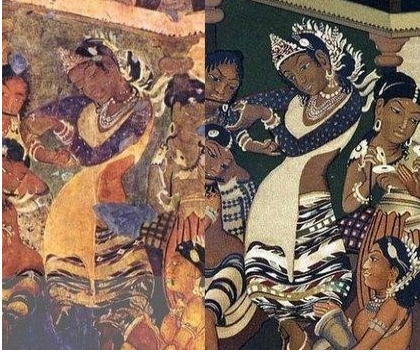
Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Main Script	Flowers	Parts of a Flower, Parts of a

3. MS_Uses of flowers in painting

Painting has been one of the most ancient Art Forms. In fact man has painted on walls on rocks from the Stone Age itself.

Flowers have been used for various purposes since time immemorial. Nowadays, paints for paintings are made from chemicals and dyes. In olden days all colours were made from natural sources. One of the main natural sources was flowers. The colour extracted from flowers were used for paintings and also for printing on textiles. These colours are permanent and last for many years.

Paintings at Ajanta Caves



Colours made from flower extracts were used for the paintings in Ajanta Caves. It stands as an example to show how our ancestors used colours made from flowers for their paintings. Even today the colours are bright and vibrant in Ajanta caves.

Madhubani Paintings Bihar

Another example of these paintings are from the state of Bihar. They are the Madhubani paintings. The walls of houses and courtyards are painted during festival days and happy occasions. These paintings are made out of a paste of powdered rice in which colour from flowers and trees are used. The paintings always depict the birds, humans, animals, trees and flowers. This shows how mankind has always been inspired by flowers and nature.



Image Source:

https://commons.wikimedia.org/wiki/File:Madhubani_mural_and_Terracotta_figurine_at_Sanskriti_Museum.JPG
<https://search.creativecommons.org/photos/255f22bb-9891-4d96-b7d7-3a8e0935d5b5>

Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Main Script	Flowers	Uses of Flowers, Uses of Flo

4. DD_Uses of flowers

Note to the teacher: The teacher can have a discussion about flowers that are useful to us in a daily life.

Flowers are used in garlands, to decorate houses, halls for functions, marriages and for rangoli. Strung flowers are used by Indians for worshipping the Lord, in temples and in mosques too.

Many brides and dancers decorate their braids with flowers.
Some flowers are eaten as vegetables.



A few are used to make scents or perfumes.
They are also used to make agarbathis or incense sticks.



Flowers are used to make medicine and cosmetics too.

Image Source:

<https://pixabay.com/en/banana-flower-small-bananas-shrub-174661/>
<https://commons.wikimedia.org/wiki/File:DrumstickFlower.jpg>
[https://commons.wikimedia.org/wiki/File:Nyctanthes_arbor-tristis_L_\(3228498390\).jpg](https://commons.wikimedia.org/wiki/File:Nyctanthes_arbor-tristis_L_(3228498390).jpg)
<https://pixabay.com/en/jasmine-flower-white-flower-white-3127260/>

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Day-to-day Relevance	Flowers	Uses of Flowers, Uses of Flo

5. IA_Interesting facts about flowers

1. They are rarely seen.
2. Some species of bamboo develop flowers after 65 or 120 years.
3. Interesting fact about flowers is that all plants of one bamboo species (kind) develop flowers at the same time, no matter where they are located in the world.
4. Bamboo releases 30% more oxygen into the atmosphere and absorbs more carbon dioxide compared to other plants.



Titan Arum

1. They are the world's largest flower;
2. The circumference of their huge flowers can be over three metres and they stand three metres high with a single leaf able to grow to the size of a small tree.
3. Due to its horrible smell of rotten flesh, it is also known as the corpse flower.



Rafflesia arnoldii is the largest flower. It grows as large as 3 feet and can weigh 15 pounds.



Wolffia is the smallest flowering plant, which is about the size of rice grain.



Image Source:

https://commons.wikimedia.org/wiki/File:Flowers_and_bamboo_-_Zoo_Atlanta.JPG

[https://en.wikipedia.org/wiki/Amorphophallus_titanum#/media/File:Amorphophallus_titanum_\(corpse_flower\)_-2.jpg](https://en.wikipedia.org/wiki/Amorphophallus_titanum#/media/File:Amorphophallus_titanum_(corpse_flower)_-2.jpg)

https://en.wikipedia.org/wiki/File:Rafflesia_80_cm.jpg

<https://en.wikipedia.org/wiki/Wolffia#/media/File:WolffiaArrhiza2.jpg>

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Interesting Asides	Flowers	Flowers and Buds, Flowers

7. SA_Floral album

Aim: Making a floral album by using dried flowers.

Materials Required: Flowers **Procedure:**

- Collect flowers that have fallen from trees or plants and bring them to the class.
- Spread these flowers neatly between the sheets of an old newspaper.
- Make sure that the flowers do not touch each other.
- Now put a heavy object on the newspaper. Leave it pressed for ten to fifteen days at one place.
- After this, take out all the flowers very carefully and prepare a scrapbook. You can take a used notebook or old newspapers for this.

You can also use these dried flowers to make pretty cards.

Conclusion: Students will enjoy and learn to make a Floral Album and also learn to appreciate the beauty, texture and variety of flowers. They also learn to handle flowers with care.

Precautions: N/A

Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Suggested Activity	Flowers	Flowers and Buds, Flowers

8. VC_Enjoy But Respect The Beauty

Children! Who does not like flowers? Everyone does.

Growing a plant and seeing flowers bloom on it is really exciting.

The first instinct of anyone when they see beautiful flowers on a plant is to pluck them. But remember that, "A thing of beauty is a joy forever." This joy is not only for you but for all.



Once when a priest went into a garden to pluck flowers for the worship of God. He was confronted by all the flowers who pleaded with him not to pluck them.

They said, "We have a short life. We love our bee friends and want to give them our nectar. We are happy to be on our mother's branches and want to be a feast for everyone's eyes."



The priest decided not pluck the flowers and he returned empty handed.

So children, enjoy the beauty, colours shapes and fragrances of flowers but try not to pluck them. Care for plants, water them regularly and don't ever trespass into other people's gardens.

Image Source:

Blue Flowers: Image, CC <https://pixabay.com/photos/forget-me-not-hoverfly-fly-bloom-257176/> Priest: Image, CC <https://pixabay.com/photos/hare-krishna-krishna-india-mantra-4014206/>
Flower Garden: Image, CC <https://pixabay.com/es/photos/abeja-insectos-flor-polen-191629/>

Time to teach	Value Type	Value Sub Type	Value Attribute
3 Minutes	Love		Group Activities

9. QA_Flowers and Buds

1) From the flowers that you know, give names of two flowers which

- Grow on trees:
- Grow on bushes:
- Grow on creepers:
- Grow on water plants:
- Bloom only at night:
- Bloom in the day and close at night:
- Which you can recognize by their scent, even with your eyes closed:
- Which bloom all the year round:

Answer:

- Grow on trees: Gulmohar, Kadamb
- Grow on bushes: Rose, Hibiscus
- Grow on creepers: Bougainvillea, Blue Morning Glory
- Grow on water: Lotus, Water Lily
- Bloom only at night: Jasmine, Night Queen
- Bloom in the day and close at night: Sunflower, Lotus
- Which you can recognize by their scent, even with your eyes closed: Rose, Jasmine
- Which bloom all the year round: Rose, Kumudini
- Which flowers bloom only in certain months: Marigold, Tulip

2) Are there any trees or plants which never have any flowers?

Ans: Money plant, conifers



3) In what forms do flower sellers sell their flowers?

Ans: Gajra, garland, single piece, bouquet

4) What is the Valley of Flowers?

Ans: The Valley of flowers is a place in the hills of Uttarakhand where there are flowers everywhere.

5) Why does the Valley of Flowers seem like a beautiful dream?

Ans: The Valley of Flowers seems like a beautiful dream because like a dream these flowers bloom only for a few weeks in the year.

6) What differences do you find between a bud and a flower?

Bud	Flower
Bud is a newly formed leaf or flower.	Flower is a colourful, scented structure that a bud blooms into.
Bud has folded sepals and petals	Flower has unfolded sepals and petals
A floral bud is smaller than flower	A flower is bigger than its bud.

7) Fill in the blanks for suitable words:

- _____ and Kewra water are prepared from flowers.
- Banana flowers are _____.
- Hibiscus flower is used for making _____.
- A bud has folded _____ and _____.

Answers:

- Rose water
- Edible
- Medicines
- petals and sepals

Image Source:

<https://pixabay.com/en/money-plant-happy-morning-sun-beam-2731132/>

Attribution: Some Questions are taken from CBSE Guide Book. EVS - Class 4.

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Assessments	Flowers	Flowers and Buds, Flowers

10. MS_Summary_The Valley of Flowers

In this lesson we learnt:

- about various parts of a flower.
- uses of flowers.
- facts about flowers.

- importance of taking care of flowers.

Time to teach	Asset Type	Theme	SubTheme
2 Minutes	Main Script	Flowers	Uses of Flowers, Parts of a and Buds, Uses of Flowers, Flower, Flowers and Buds