



Master Lesson Plan

For

Anita and the Honey Bees

Board	Standard	Subject	Chapter	Language	Reference Link	Creation
CBSE	STD IV	EVS	Anita and the Honey Bees	English	Anita and the Honey Bees	2020-10

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Anita and the Honey Bees

1. MS_Objectives - Anita and the Honey Bees

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:

- Discuss the importance of school education.
- Value of equal opportunity for all.
- Find inspiration from examples of women who fought obstacles to come up in life. Explain
- about honey bees and apiculture.
- Discuss the uses of honey.
- Realize will power is the key to success.

Time to teach	Asset Type	Theme	SubTheme
2 Minutes	Main Script	Education	Schooling, Schooling

2. IA_Girl Star

Note to the teacher:

Teacher to write the slogan 'Beti nahin to Kal Nahin'.

Teacher to share inspiring stories of Girl Stars.

Shabnam Ara

- She grew up in Arhora village of Sonbhadra district, Uttar Pradesh.
- Shabnam learnt how to make carpets at home, and with the money she got, she joined school.
- She worked in the morning and studied at night to finish her graduation.
- Now ,she is a manager in Cashpor, a micro-finance organisation in Varanasi.

Madhuri Kumari

- She is the Pradhan (Chief) of Fakirpuri village, Bahraich District.
- She was the only girl in a class of 26 boys.
- Madhuri used to walk six kilometers through a thick forest all by herself to reach school.
- She did small jobs in her neighbourhood.
- She opened a small grocery shop with the money she had saved.

- Madhuri was very helpful to people in her village and soon she was chosen as their leader.
- She has changed the village by getting roads repaired , installed drainage systems , added new classrooms to the government school and is encouraging children to go to school.

Sandhya Sherring

- She runs a computer training centre, who believes that education is the foundation that can make you a strong pillar.
- She had to drop out of school when her father lost his job.
- She had to work hard to earn and go to school.
- After passing out she opened her own institute with a bank loan.

Teacher to summarize:

- These are a few extraordinary tales of ordinary girls who changed their lives by going to school.
- These young women have grown to become role models in their communities and they inspire younger girls to go to school and continue their education.
- Many girls have selected professions from the most common professions such as teaching and nursing, to the most uncommon like archery, bee-keeping, scrap management etc.

Time to teach	Asset Type	Theme	SubTheme
3 Minutes	Interesting Asides	Education	Schooling, Schooling

3. MS_True Story Of Anita

Notes to the teacher:

Teacher discusses the importance of children attending school.

Teacher asks a few questions to begin the topic.

Teacher to show Bihar on the map of India.

Teacher to show images of Litchi trees.

1. Where is Bihar?

Ans: It is a state of Eastern India.

2. Have you eaten honey? How does it taste?

Ans: Yes. It's sweet.

3. How do we get this honey?

Ans: Bees produce honey from the sugary secretions of plants.

Teacher explains:

The litchi honey produced in Bihar has good taste, colour and flavour due the environmental conditions. Litchi honey is very popular and has high demand nationally and internationally.

Teacher narrates the story of Anita, the girl star who went to school amidst all difficulties and became famous and is known as Bihar's Queen Bee.

- Anita Khushwaha lives in Bochaha village, in Muzzafarpur district in Bihar.
- She stays with her parents and two younger brothers.
- In the beginning, she used to spend her time with goats as they grazed for food.
- She always wanted to go to school but her parents did not like the idea of girls going to school. She picked up courage to talk to her parents to send her to school.
- She had to face a lot of hardships to pay her fees. She taught younger children from her school and the money she got was used for her studies.
- There were many Litchi trees in her area that attracted bees.
- She wanted to learn the methods of collecting honey.
- She would cycle 5 kilometers to the city to do her Beekeeping course.
- She continued to teach and earned money to start a business.
- Slowly she learnt the methods and soon became known as Anita the Beekeeper.
- She encouraged all girls in the village to go to school.
- She became popular
- Today, tending honeybees in as many as 250 boxes with the women of the village by her side, people fondly call her 'queen bee' to harvest honey for supply to a number of places outside the village
- She also received the Best Bee Farming award from Rajendra Agriculture University, Pusa, in Samastipur

Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Main Script	Education	Schooling, Schooling

4. MS_Importance of going to school

Every child has the right to go to school. The cooperation and encouragement of the family members motivate the child to study. Parents work hard to be able to afford the school fees. Children who want to go to school must be encouraged. They should be allowed to pursue their passion.

Teachers may ask the students the following questions:

Why is it important to go to school?

Possible answer: To study; to learn to read and write; to become a doctor/engineer etc.

The school environment helps the child with the opportunity to learn to work with others as a team. It gives a wealth of knowledge and inspiration and prepares the student for jobs.

The school becomes a second home for the child. Going to school regularly, builds a routine.



The student learns to appreciate the hard work put in by the parents to educate them.

Children from every part of the nation go to schools. There are schools in the cities and villages what's the difference between schools in the city and village?

S.No.	Schools In The City	Schools In The Village
1	There are many schools in the city.	There are fewer schools in the village.
2	School buses are easily available.	Students may have to walk miles to reach school.
3	Basic facilities are easily available: like fans, air conditioners, drinking water and good toilets.	Basic amenities have to be improved.
4	Classroom has e-boards, desks and chairs.	Poor infrastructure. Students sometimes sit on the floor because of lack of furniture.
5	Teachers are given tools like laptops, printers to provide notes.	Teachers are not given such things in schools in the village.
6	Provision of group classes through audio/visual aids.	No such facility may be available.

Image Source:

<https://pixabay.com/en/children-studying-togetherness-boys-286239/>

Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Main Script	Education	Schooling, Schooling

5. DD_Educating the Girl Child

Teachers may ask the following questions and instill the importance of education for the girl child.

1. Did your mother go to school? If the answer is no, why not?

Possible answer: Because she had to do house work; there was not enough money.

Nowadays, women work at home and outside. They take care of the children, cook for the family, take care of the elders in the family, and also work in an office. They are able to balance the work in the house and outside.

2. Many women today are leaders and are professionally equal to men.

Can you name some jobs where there are women and men?

Possible answers: Teachers, doctors, nurses, managers, scientists, pilots, sportswomen.

Women work today as pilots and work in the army too. Women drive buses and are serving in the police department. There is no career or a job today that a woman is not in.



Image Source:

<https://pixabay.com/en/airplane-cockpit-pilot-headsets-2628591/>

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Day-to-day Relevance	Education	Girl Child Education, Girl C

6. IQ_Social Insects

Note to the teacher:

The teacher is to pose a question and wait for the students' responses. After a discussion the answers/hints provided on the PPT could be projected.

New vocabulary that is introduced:

Species, apiology or apiculture, organisms.

Social Insects:

1. Why ants and bees are called social insects?

Ans: They are called social insects because they live in colonies with other individuals of the same species.(a group of living organisms/things consisting of similar individuals)

An anthill is where ants live in colonies



A beehive is where bees live in colonies



2. If a bee stings someone, what first aid can we give?

Ans: Remove the sting by sliding or scraping the fingernail across it. Wash the area and apply ice to reduce the swelling.

3. How many ants live in a colony?

Ans: Millions of ants live in a colony.

4. What is the study of bees called?

Ans: Apiology (from Latin - apis, "bee")

5. What can you learn from bees and ants?

Ans: Hard work and team work help us to succeed.

Image Source:

<https://pixabay.com/en/insect-bees-wild-bees-wild-hive-3493246/>
<https://pixabay.com/en/ants-nest-soil-insect-animal-638426/>

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Inquisitive Questions	Insects	Social Insects, Social Insec

7. MS_All about Honey Bees

Notes to the teacher:

Teacher may begin the class by a discussion

Can you name insects that live together in a group?

Ans: Ants, Bees, wasps, flies

What is special about these groups?

Ans: They work together. They follow a pattern.

Honeybees belong to the family of insects.

- They live collectively in beehives.
- Bees collectively are called a swarm of bees.
- Every beehive will have a Queen, few males and a number of worker-bees.



Bees work very hard to make honey. Do you know how they make honey?



Bees suck a sugary juice from the flowers. This is called nectar. This is stored in a honey stomach of a bee, which is different from the food stomach. Then they pass it to other bees who chew it for $\frac{1}{2}$ an hour. Slowly it turns to honey. It is then stored in honeycombs. Once a bee finds flowers with nectar, it calls the other bees through a special kind of dance.

- The Worker Bees are a very important part of the hive.
- They are the bees which collect the nectar from the flowers.
- Without the worker bees, the whole colony would go hungry.

Image Source:

<https://www.pexels.com/photo/honey-bee-on-wood-1035224/>
<https://pixabay.com/en/honey-bees-beehive-honey-bees-326337/>

Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Main Script	Insects	Honey Bees, Honey Bees

8. IA_Facts about Honeybees

- 1) Honey is used as a sweetener and a medicine.
- 2) Honey is rich in vitamins.
- 3) Honey is nature's energy booster.



- 4) A honeybee's wings stroke 11,400 times per minute, thus making their buzzing sound.
- 5) The queen bee is the busiest in the summer months, when the hive needs to be at its maximum strength.
- 6) She will lay about 1,000 to 1,500 eggs per day. She lives for five years.
- 7) The average worker bee lives for just five to six weeks. During this time, she'll produce only a teaspoon of honey.

- 8) A honeybee visits between 50 and 100 flowers for one collection.
- 9) In order to produce 1 pound (roughly half a kilogram) of honey, 2 million flowers are visited.

Image Source:

<https://pixabay.com/en/honey-sweet-tasty-food-delicious-823614/>

Time to teach	Asset Type	Theme	SubTheme
5 Minutes	Interesting Asides	Insects	Honey Bees, Honey Bees

9. SA_Insect with Shells

Aim: The aim of the activity is to make a honey bee from pistachio or groundnut shells.

Resources Required: pistachio shells, yellow paint, brush, black marker and fevicol.

Preparation: Teacher may ensure that all students have the required materials.

Setting for the Activity: Indoor

Type of Activity: Individual Activity

Procedure:

Step 1: Collect the materials required.



Step 2: Colour the two shells yellow using paint.



Step 3: Then draw the lines with a black marker on one shell to make the body of the bee and on the other shell draw the eyes of the bee.



Step 4: Stick the shells one on top of the other with the help of fevicol.

That's all! Enjoy the cute little honey bee.



Instructions to Teacher: NA

Precautions: NA

Troubleshooting: NA

Troubleshooting: NA

Image Source:

original contribution by surekha(surekha.wr@gmail.com)

Time to teach	Asset Type	Theme	SubTheme
15 Minutes	Suggested Activity	Insects	Honey Bees, Honey Bees

10. VC_Where There is a Will, There is a way

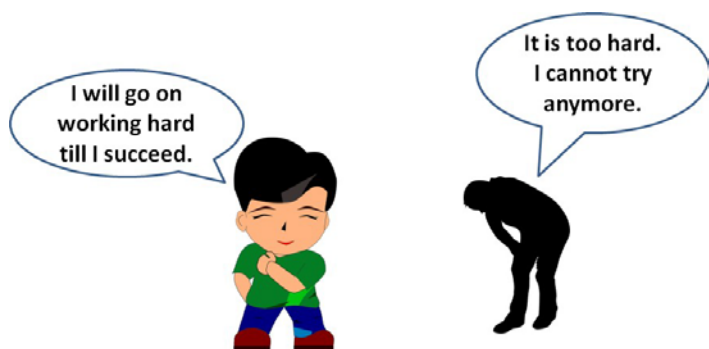
All of us dream and wish to achieve many things in life. But usually only a few succeed in achieving their dreams. The rest tend to curse their fate or misfortune for not being able to accomplish what they dreamt.



But the fact is that we have only ourselves to blame for our

failures. Children! Where there is a will, there is a way.

- All you need is will power & determination to carry on your dreams despite the obstacles you face.
- Those who lack determination always bow down to pressures. But those who are determined to win go on till they succeed.
-



- Remember, the more determined we are to win, the more we are on the road to success.

Will, Determination, Perseverance = Success

Image Source:

<https://pixabay.com/vectors/mountaineering-climbing-man-male-2069709/>

Boy: Clipart, CC <https://pixabay.com/vectors/boy-man-bowing-smile-happy-male-312305/>

Bent Man: Clipart, CC <https://pixabay.com/vectors/bend-bent-over-heaving-human-1296747/>

Time to teach	Value Type	Value Sub Type	Value Attribute
3 Minutes	Right Action		Open

11. QA_Recap_Anita and the Honey Bees

Fill In the Blanks:

1. _____ bees lay eggs.
2. _____ bees make the beehive.
3. There is only one _____ bee in each hive.
4. Honey is the best medicine for _____ and _____.
5. The study of honey bee is called _____.

Answer: 1. Queen Bee 2. Worker 3. Queen 4. cold and cough 5. Apiculture or Apicology

Choose the correct answer:

1. Worker bees are _____. (lazy / active)
2. _____ is the largest honey bee. (worker bee / queen bee)
3. Honey bees lay their eggs from _____. (October –December / November – December)
4. _____ is a 'girl star 'of the lesson. (Anita / Amrita)
5. Anita would cycle _____ to college every day. (7 kilometers/5 kilometers)

Answers: 1. active 2. Queen bee 3. October -December 4. Anita 5. 5 kilometers

Write 'True' or 'False' for the following statement about "Honey Bees "

1. Honey bees are socialinsects. _____
2. They live alone. _____
3. They are very lazy. _____
4. In a honeycomb there are three types of honey bees. _____
5. They collect nectar from fruits. _____

Answer: 1. True 2. False 3. False 4. True 5. False

Answer the following:

1. Where does Anita live?

Ans: Anita lives in Bochaha village in Bihar.

2. How did Anita continue her studies after class 5?

Ans: She taught younger children and earned money to continue her studies.

3. When do the Litchi trees come to flower?

Ans: They come to flower in the month of February.

4. How does Anita educate people in her village?

Ans: She goes to all the village meetings and talks about the importance of going to school.

5. What is the medicinal use of honey?

Ans. Honey is used to heal wounds, cold, cough and also as a sweetener.

Time to teach	Asset Type	Theme	SubTheme
10 Minutes	Assessments	Insects	Honey Bees, Honey Bees

12. MS_Summary - Anita and the Honey Bees

In this lesson we discussed:

- Schools help children learn new things about life. Equal
- opportunity for education should be given to all.
- Inspirational tales of women who succeeded in life.
- About honey bees and methods of making honey.
- The uses of honey.
- Will power is the key to success.

Time to teach	Asset Type	Theme	SubTheme
2 Minutes	Main Script	Education	Schooling, Schooling