



GRAPHIC NOVEL

Social science

Class-8

Chapter: 4

AGRICULTURE

“Visit to a Village”



maheshwari public school

Sector 5(Ext.) Pratap Nagar, Tonk Road, Jaipur

Affiliated to CBSE



Acknowledgement

The production of this graphic novel is a team effort. Coming from the intense gratification of our visionaries, whose contribution has raised the quality of this novel .

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Disclaimer

This Novel is published as a reading material to enrich the students to have a better understanding of the agricultural practices through-

“Visit to a Village”

Printed & Published by:

**Maheshwari Public School
Pratap Nagar, Jaipur (Raj.)**

Preface

This graphic novel- “Visit to a Village” is an educational journey of the city children with their friend to her village. This novel will enhance the learning of the concepts of agricultural practices. The content in this novel will help the students to become concerned and aware of village life. Scenic beauty and friendly dialogues will compel the readers to visit a village nearby.

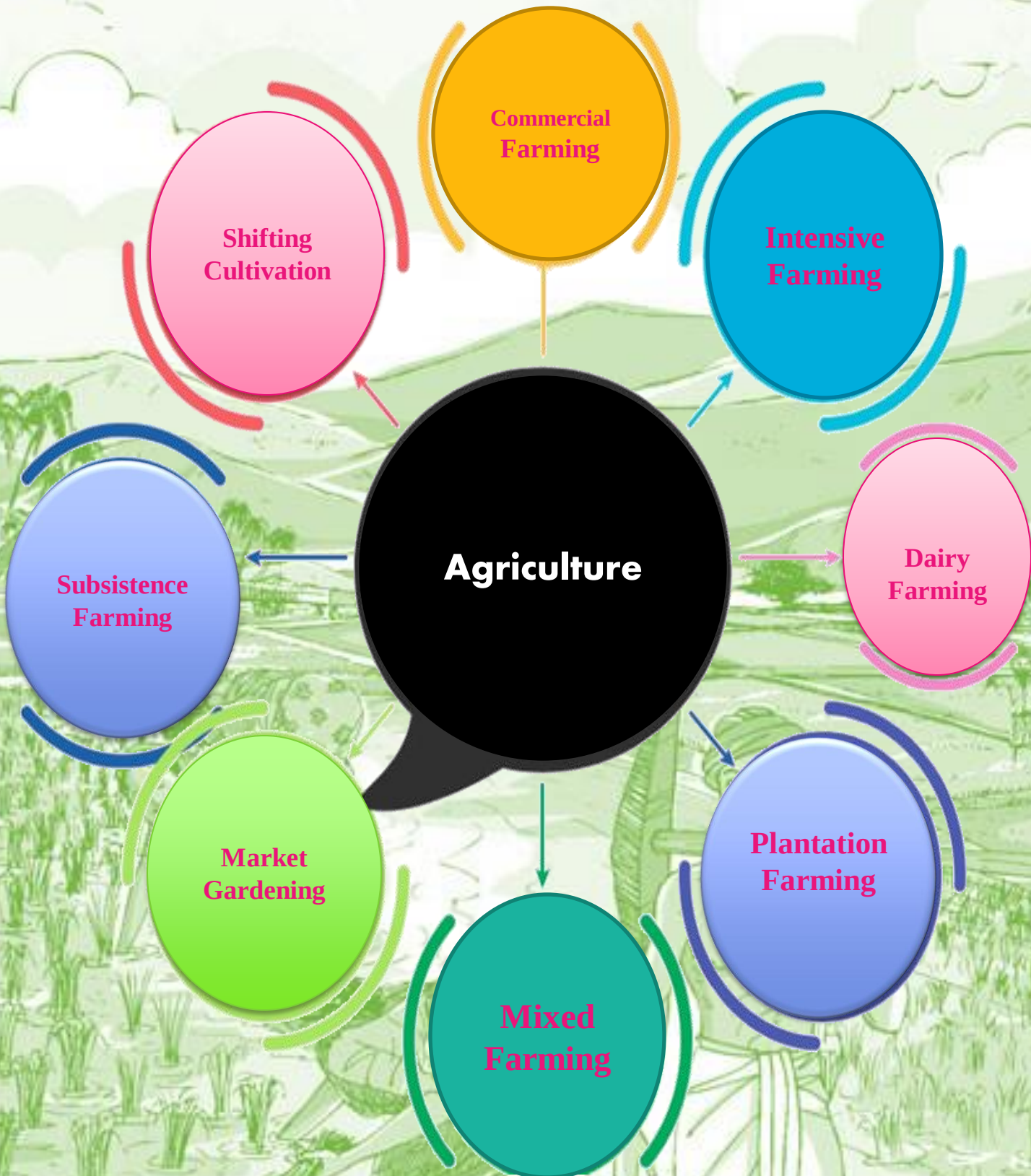


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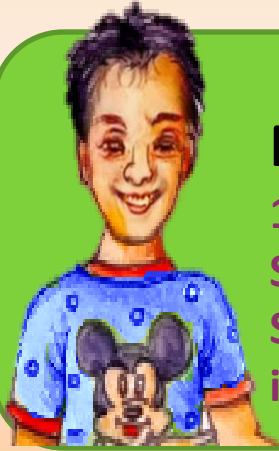
Learning Outcomes

- To familiarize the students with various agricultural practices in India.
- To develop their knowledge about the techniques used in agriculture.
- Introduce the whole farm planning concept and its significance.
- To acquaint with the life of a village.

STORY BOARD



Know your Characters



Mohit

10 years

Studying in VI class

Sober and
inquisitive in nature



Divya

12 years

Studying in VIII class

Nature lover and keen
learner



Mohit's Mother

40 years

Working woman

Unbiased and
feminist



Mohit's Father

42 years

Businessman

Unprejudiced
personality

Kamla Devi

42 years

soft spoken and a
knowledgeable
House maker



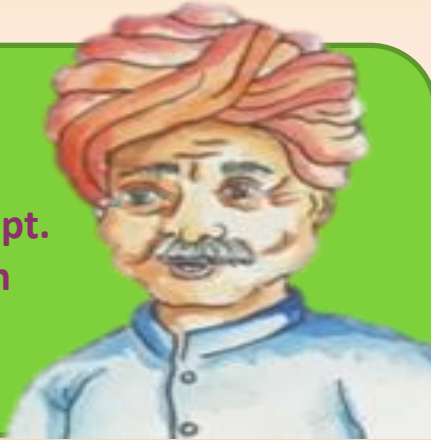
Know your Characters

Dada Ji

64 years

Retired from Agriculture Dept.

Well known, Humble and an adept in agriculture field



Riya

11 years

Studying in VII class friendly and Keen learner



SitaRam

42 years

Small farmer

Living a simple life



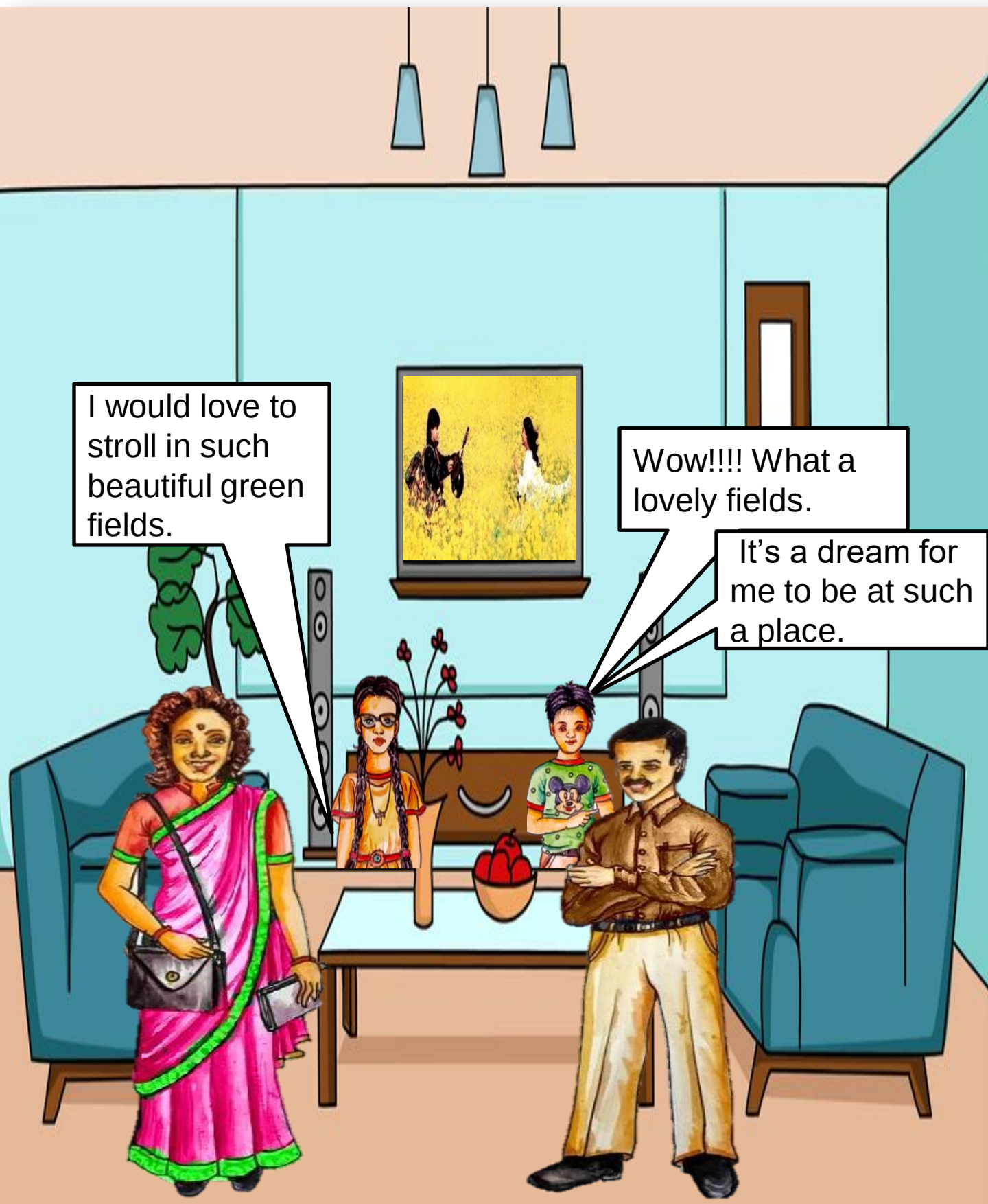
Shruti

11 year

Studying in VII class in Government school



Mohit and Divya are enjoying Hindi movie ***Dilwale Dulhania Le Jayenge*** with their parents.



I would love to stroll in such beautiful green fields.

Wow!!!! What a lovely fields.

It's a dream for me to be at such a place.

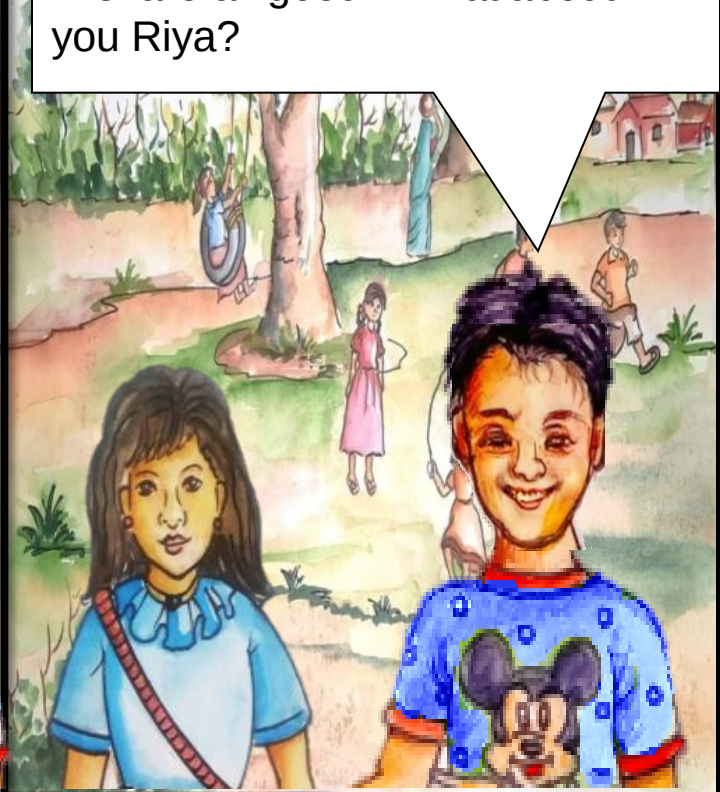
Next day while playing in ground, Mohit and Divya meet Riya.



Hello Mohit,
Hi... Divya.

How are you
doing?

We are all good. What about
you Riya?



IBEF
INDIA BRAND EQUITY FOUNDATION
www.ibef.org

AGRICULTURE

Agriculture is the primary source of livelihood for about 58 per cent of India's population.



#BrandIndia

I am fine too.



I want to tell you something exciting.



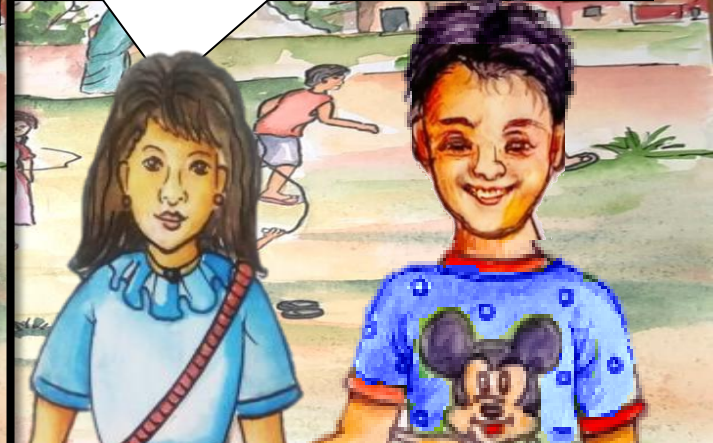
Yeah! sure Divya.



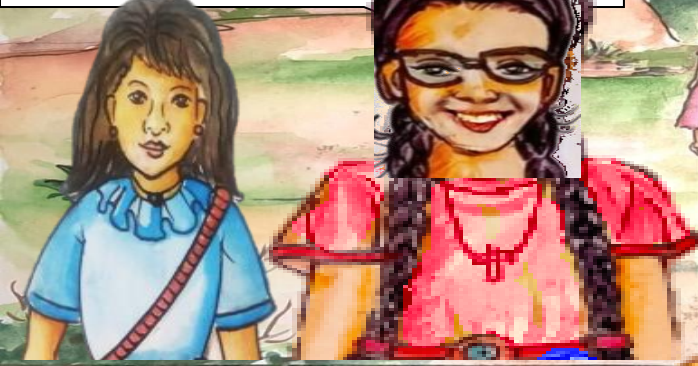
Yesterday we both enjoyed the classic movie DDLJ with our parents.



Oh!!! wow!! Really... It's my favourite too.



You know I was captivated to see the green fields. I wish I could go there.



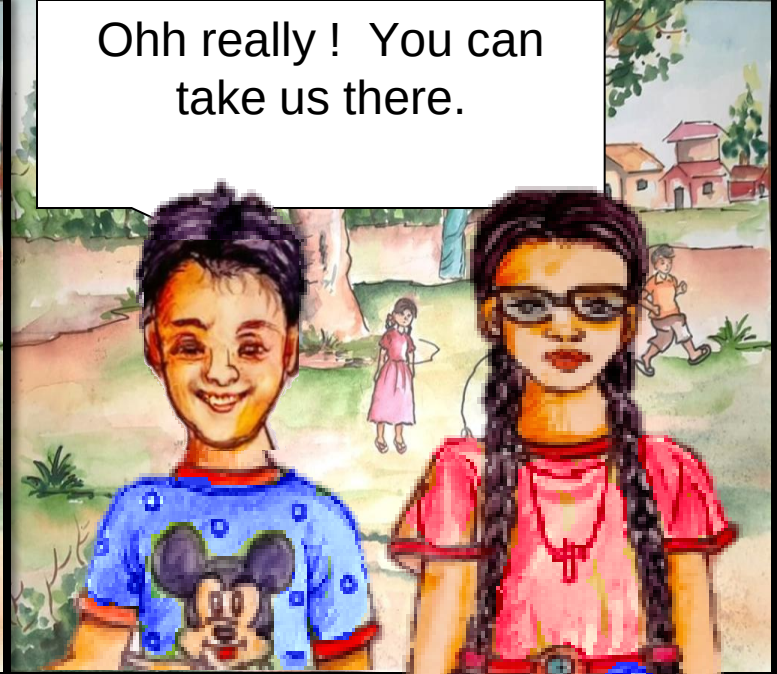
Yeah! I wish the same. I was enchanted to see the natural beauty.



(Ummm!) I think I can help you to visit such a place.



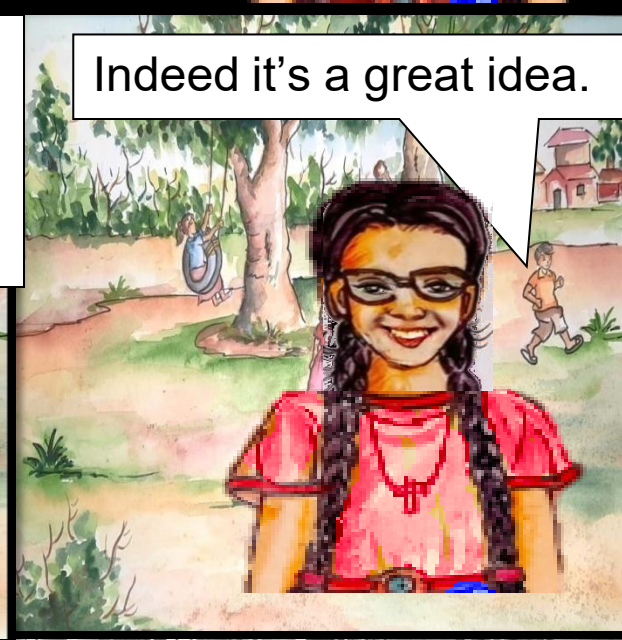
Ohh really ! You can take us there.



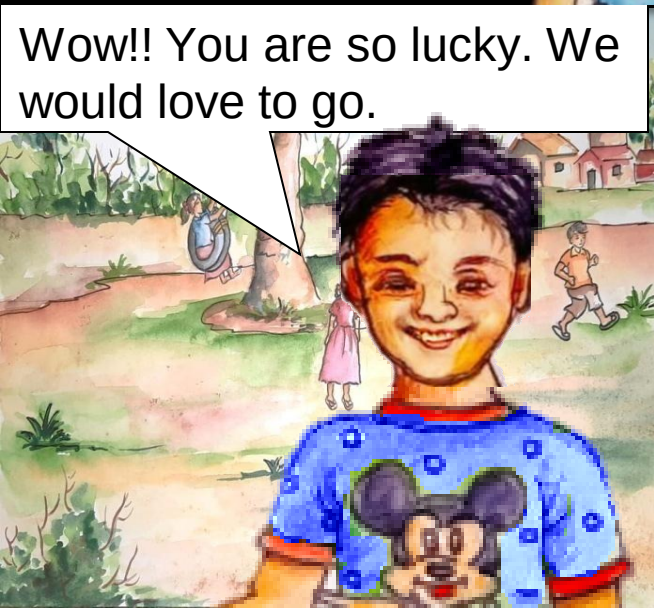
YES! As you know that my family belongs to village and next week we are going to visit it. So if you want, you both are welcome to join us.



Indeed it's a great idea.



Wow!! You are so lucky. We would love to go.



Why don't you both accompany us and feel blessed in the lap of the nature.



(together.....)
Seriously....Wooooo!!!!



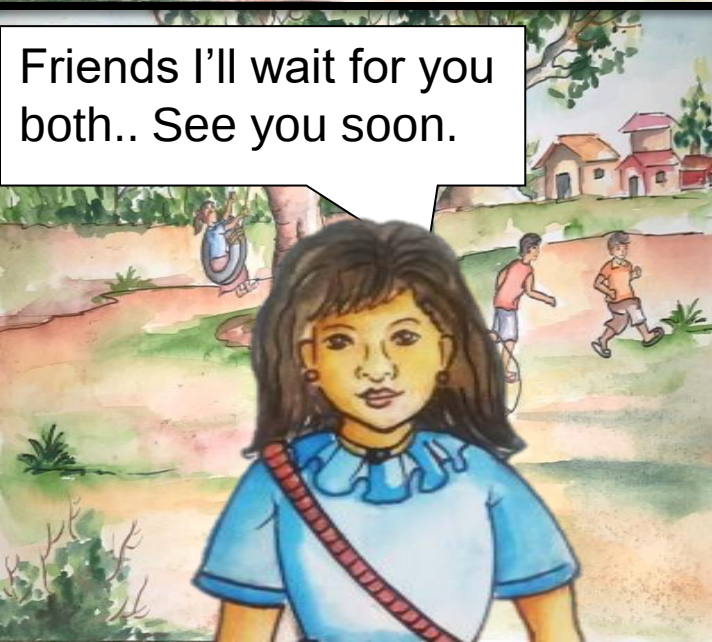
We will seek permission from
our parents.



Yes it's must. Lets
seek their consent.



Friends I'll wait for you
both.. See you soon.



Agricultural Seasons

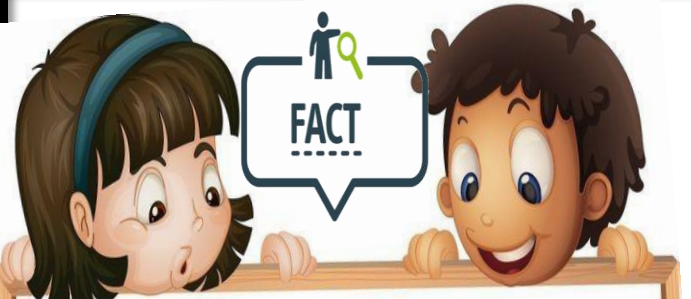
Season	Kharif	Rabi	Zaid
Sowing	Jun- Jul	Oct - Dec	Aug – Sep
			Feb – Mar
Harvesting	Sep - Oct	Mar - Apr	Dec – Jan Apr - May
Crops	Rice	Wheat	vegetables

Mohit and Divya reach station along with their parents. Parents come to see off their kids and wish them for a safe journey.



Ja Simran ja.....jee le apni
zindagi.....!!!!





Over 263 millions of farmers and farm laborers are engaged in agriculture in India. It is the country's biggest private enterprise.



1. What is the full form of NABARD?

National Bank for Agriculture and Rural Department

They board the train and enjoy the beauty of the fields.



(Pointing out)
Hey!!!! Divya, look
at those yellow
flower fields.



Wow! such a
beautiful yellow
fields.



This is “**Sarso**”
(Mustard flowers) you
must have heard of
popular Sasron Ka
Saag and Makke Di
Roti, the traditional
food of Punjab.



They reach village. Mohit and Divya are excited. They go to Riya's house and Riya's Grandfather welcomed them.



Dadaji, meet Divya and Mohit. They are my best buddies..



Namaste Dadaji !



God Bless you Children!



They wanted to meet you to know about agriculture and crops. Will you please help them to learn this????

Yes sure! But you will have to get up early in the morning and come along with me.



Sure Dadaji...we'll be ready early in the morning.

Sure Dadaji.....

Ok!!! Let's go inside, have some food and relax for sometime.



Yes! Now we are hungry and tired too.



India acquires the world's largest irrigation land which occupies about **96 million hectares** of the land area.

Next early morning Dada Ji takes them in the fields where the farmers are harvesting the crops.



What are these people doing, Dada ji?



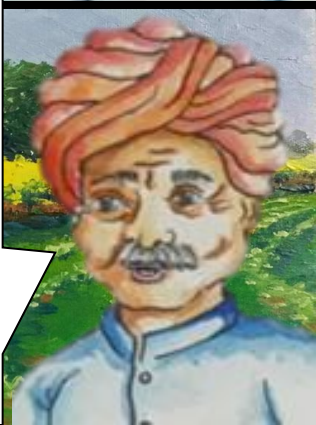
Bacchon.....they are growing crops. Their occupation is agriculture.



Agriculture means.



Yes !!!!
.Bachcho..... Agriculture is a primary and the oldest activity which is practiced by human beings.



Primary ! Does it mean pre-primary and primary like in our school.



Ha Ha Ha Ha!!! NoNo.. Primary means ...it is the basic for human survival.



How will they do it? Please let us know Dada ji.



For agriculture some factors are required.



Factors? Like in Algebra in Mathematic.



Ha Ha Ha! Not at all they are climate, rainfall, temperature of a place, water source, soil and we.



Dadaji ..We means????



We means the Humans ...Am I right Dadaji?



Yes!! You are absolutely correct Riya.



Different crops need different soil and temperature. Is that so Dadaji?



Of course my dear..Do you know there are two types of farming - Subsistence and Commercial farming.



What is Sub...stance type of farming???????



It's Subsistence farming brother.



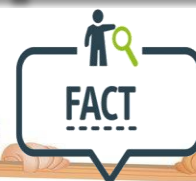
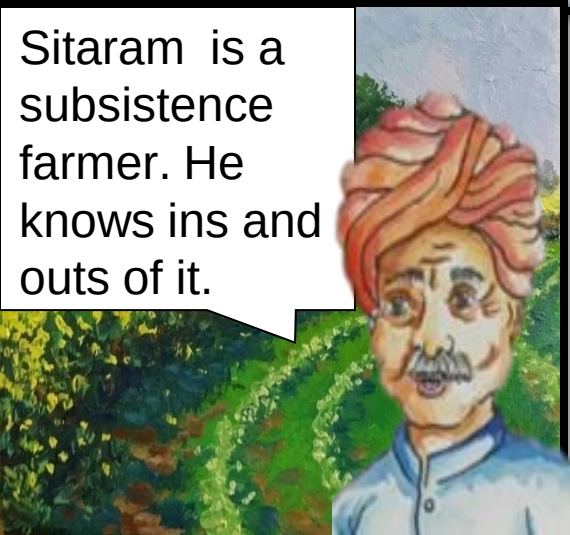
Sitaram can explain it better. Let me take you there



Who is Sitaram ji??



Sitaram is a subsistence farmer. He knows ins and outs of it.



India is the 2nd largest contributor of agriculture in the world with around 50% of people in India making their living from farming.

Sitaram is a small farmer. He has a small patch of land where he practices family farming. Children along with Dada Ji reach there.



Namaste.....
Sitaram.....



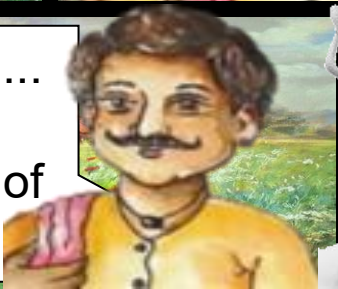
Babu ji
Namaskar.
Good to see
you. How can I
help you??



Sitaram, my grand
children have come to
meet you to know about
subsistence farming.



Hello bacchon.....
Come with me.
Let's take a tour of
my field.



2. Who is known as
the father of *Yellow
Revolution* in India?

They all together go to Sitaram's field. It is a small field in which he grows food crops.



Look children.... this is my small field where I do subsistence farming.



What is that Subsistence farming uncle?

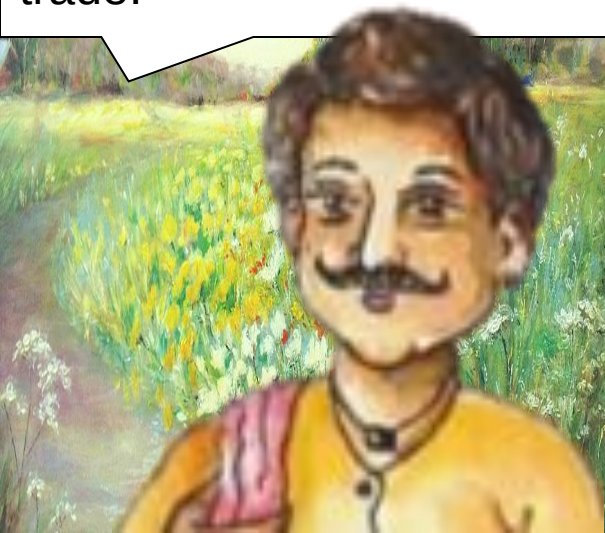


India holds the second largest agricultural land (159.6million hectares) in the world



3.Which is the 1st state of India to introduce Soil Health Card?

I'll tell you!! This is done mostly for one's own consumption without any surplus production for trade.



Okay!!!
Uncle...



But uncle!! how such a small field can satisfy the needs of a large family?



For this farmers can do intensive farming with organic or chemical fertilizers and can produce large quantity from the same field.



Oh!! that's quite informative for us.



4. Which agency is responsible for procurement, distribution and storage of food grain in India?

Food Corporation of India



Yes.... these farmers contribute a lot by practicing organic farming.

Revolution in Agriculture



White revolution
Milk



Round revolution
Potato



Red revolution
Tomato/Meat



Silver revolution
Eggs



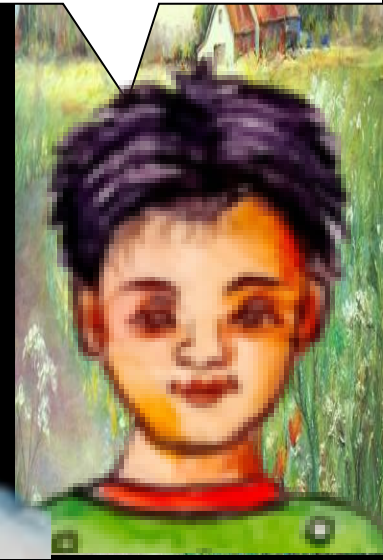
Yellow revolution
Oil seeds



Green revolution
Food grains

Dear Children, Do you know there is one more farming but it is abolished now, it is called shifting agriculture or slash and burn agriculture.

Shiftingggg...I never know that agriculture can also shift and why is it called slash & burn?



In this farming, the land is cleared by cutting trees and burning the remains then seeds are sown. Mostly practiced by tribals.

But in such farming methods the production is less. Then how are the needs of others satisfied?

Commercial farming is practices to meet the needs of country's population



Commercial farming.
what is this uncle??



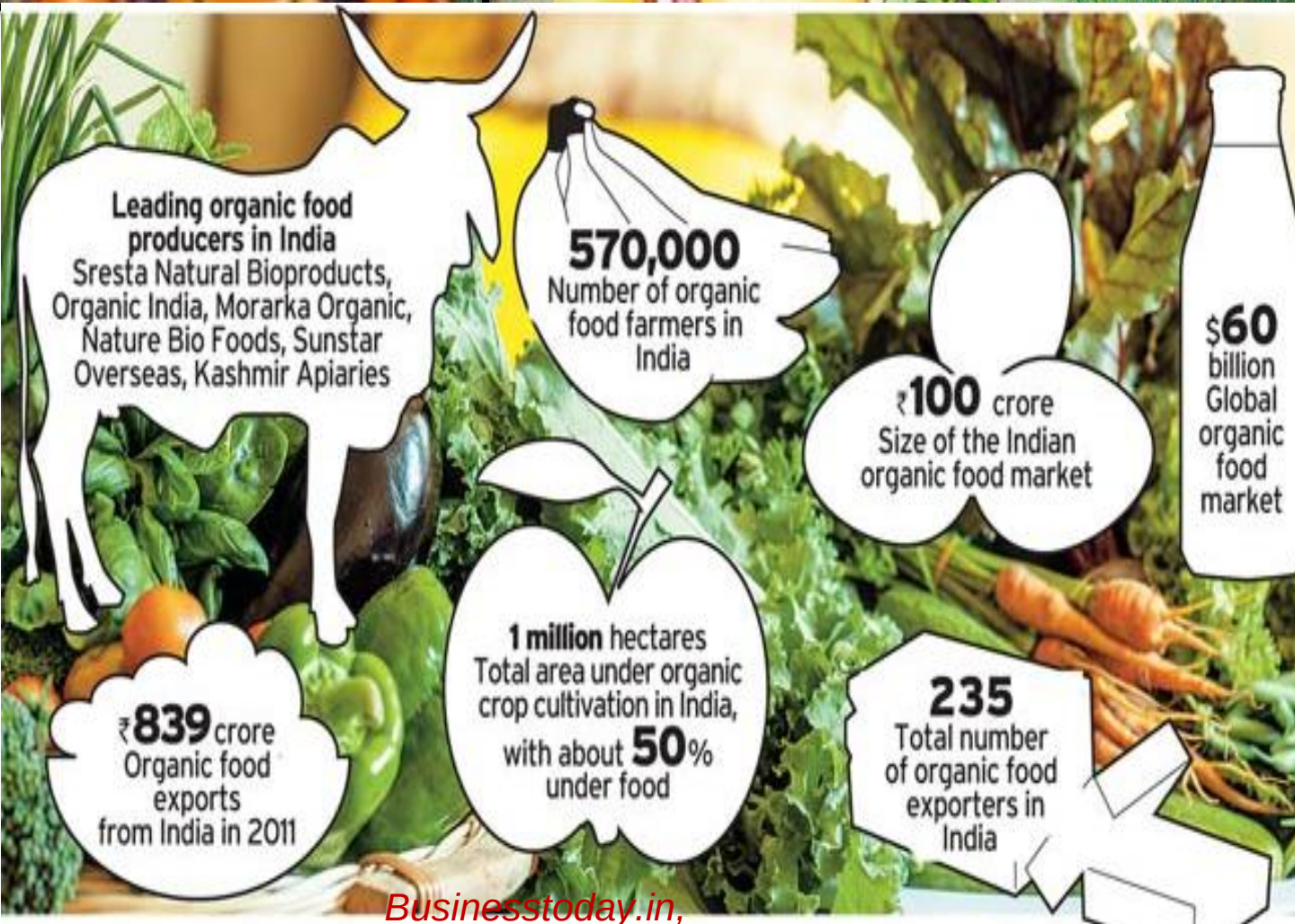
In this, production
is done at large
scale and is sold
in market and
exported to
different
countries.



(Together) Wow!!
Great!! Thank You
Sitaram uncle.



It's my
pleasure
children....



In the evening Riya, Divya and Mohit are playing in the courtyard and somebody knocks at door.



Riya's friend Shruti enters.

Hello Shruti. Good to see you. Come I'll introduce you with my friends from city.



Hello Riya.

This is Divya, my classmate and he is her brother Mohit.



Hi.... Divya.
HelloMohit.



(Together);
Hello Shruti.

Shruti,
Yesterday we all
went to Sitaram
Uncle's field .He
told us about
various types of
agriculture.



Yes! Shruti
and it was
amazing .



Okay!
Actually
Riya I am
here to invite
all of you on
my birthday
party today
evening at
my home.



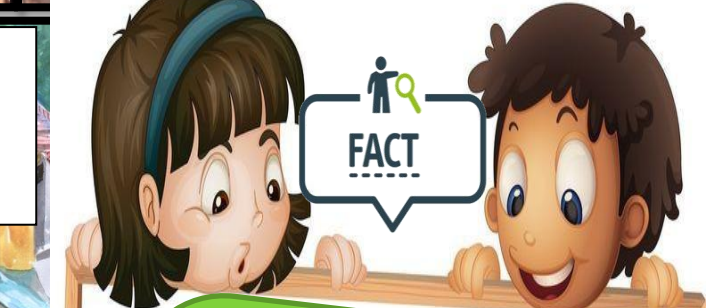
That's great!!
Happy
Birthday to
you. Shruti.
Sure we will
come.



Yes! Shruti,
surely we will
come and
Happy
Birthday to you!



Thank you all.
See you in the
evening.



"Kissan Rail "was
introduced to
facilitate transport of
perishable and
agricultural products
to several market
places across the
country.

5. Which state
of India rank 1st
in production
of pulses?
Madhya Pradesh

Mohit, Divya and Riya go to Shruti's home. Her house is in the core of the village. Some cattle are tied there.



(Pointing at something)
Look Divya and Riya at
the back of the house
there are cows, goats,
buffalos and sheep too.



Why do they keep
so many animals.
Is she going to
open a zoo?



Shruti , why
have you tied
these animals in
your courtyard?



HaHaHaHa!!
! Noh..Noh...



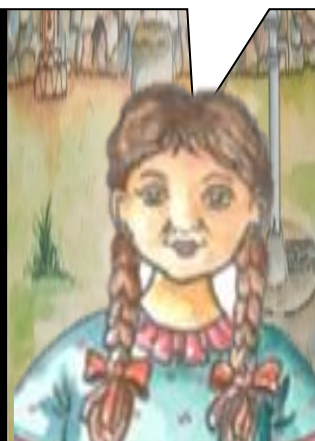
My father is a farmer, does mixed farming and for that we need animals.



Whaat....
Mixeddd...
.Farmiming....
is it a new mixture of something ?



In this farming, Livestock rearing, ranching and cultivation of crops are carried out together.



Livestockkk...
Raanchingg?
What is that?



Livestock and Ranching mean rearing of animals



Okay !!!!!



These cattle help us to get milk, meat and wool.



Is it like Dairy Farming?



No, Riya dairy farming is different, there animals are raised primarily for their milk and meat for commercial purpose.



But in Mixed farming, We cultivate crops and also rear animals.



Yes I have seen many dairies in Jaipur.



Yes!! Like Buddha Uncle's dairy and the large one like Saras Dairy.



Yes...You are right.

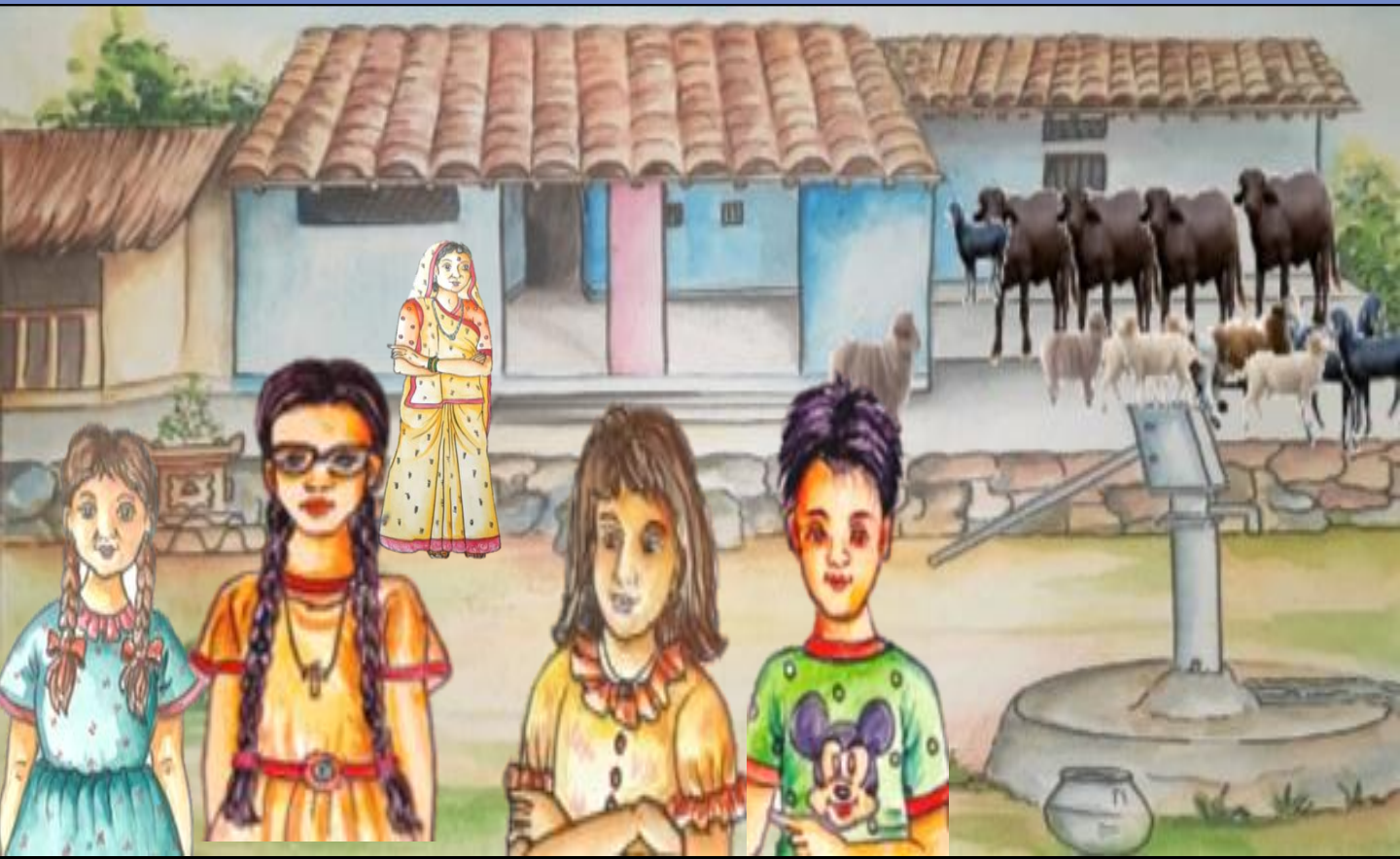


6. Who launched the White Revolution (Operation Flood) in 1970s in India?

Dr. Verghese Kurien



Shruti's mother Kamla Devi Ji is listening to their conversations.



Good to know children, that you all are excited to know about our country's traditional occupation.



Namaste Aunty.....
How are you?



Namaste Aunty.....

Apart from mixed farming we do market gardening also.



This kind of occupation is in practice since Indus Valley civilization.



What is Market gardening aunty? Can you please tell us?



Sure! In this we cultivate only vegetables, fruits and flowers further sell these crops in the urban market.



Okay! It means the vegetables which we get in our cities are produced from market gardening.



Absolutely correct Divya. In the same way single cash crops are grown for export purpose.



Aunty, you mean farmers also grow cash in fields?



No! Cash crop means we sell the crops in market to earn money.



Is it like Sugarcane, Cotton, Tea and Coffee?



Yes! you are very right....



Tea is cultivated in Assam.

And coffee is cultivated in Nilgiri area of Tamil Nadu.



I am impressed. This is another type of farming. called Plantation farming.



Yes! There farmers grow a single cash crop on a very large scale for export purpose.



Fruits like banana and grapes are few examples of plantation farming.



Yes you are correct....I hope now your inquisitive minds must have gathered enough information about farming.



(Smiling) Yes! Thank You Aunty.



(Together) YES!!!
Thank You so much Aunty.



Now, let's move to celebrate and enjoy the birthday party .



7. Who started the Green Revolution in India ?

M.S.Swaminathan

Yes Yes! Let's go for it.



I really want to dance and enjoy now.



Ha Ha ! Yes, my dear brother but don't you want to eat cake first?



Dear children,
there is twist in
our ceremony.
Instead of cake
we cut halwa and
the dinner menu
is also different .



Wow! Halwa! My all
time favorite.



I can't resist
myself anymore to
eat it.



Ha ha ! You know
aunty cooks very
tasty halwa.



Come on bacchon! The dinner is ready
please have it ...(Divya, Mohit, Riya and
Shruti enjoying the dinner in open sky.)



Today's menu is ***chulhe ki Roti, Sarson ka saag, Halwa and Mishri Mawa***, all the ingredients are from our field only. Eat and enjoy the village's delicious and traditional food.



Aunty it's really Yummmmyyy.

I must confess, I have never had such a delicious food in city.



Yes! we miss this in Jaipur.



Yeah! Mishri Mawa is yummy.



It was such a mouthwatering food. Thank You Shruti and aunty.



Thank You
aunty and
Shruti for such
a wonderful
evening.



We are
humbled .
Thank you so
much for
satisfying our
hunger and
curious minds
too.



We will always
be grateful to
you.



Thanks
everyone
for your
company
and making
day
wonderful.



They are back to Riya's home

Oh! it's a very
masti wala time
today we had.



Yes and now I am
very tired. Let's
go to sleep.



Yes, we need to
wake up early in
the morning to
catch the train to
Jaipur.



7

FACTS ABOUT
AGRICULTURE

YOU NEVER KNEW

40% OF
THE
WORLD'S
POPULATION
WORK IN
AGRICULTURE



THERE ARE
2.9 MILLION
ORGANIC
PRODUCERS
WORLD WIDE
AND
GROWING



CRAYONS ARE
GROWN

THEY ARE
MADE
FROM
SOYBEANS



DAIRY COWS PRODUCE
6-7 GALLONS OF MILK A
DAY.



2,500 GALLONS PER
YEAR

18,750 GALLONS IN
THEIR
LIFETIME



SOME PLANTS
NEED COLD
WEATHER TO

FLOWER

APPLE TREES NEED
ABOUT 900-1000
HOURS OF COLD
BELOW 45° F
TO FRUIT



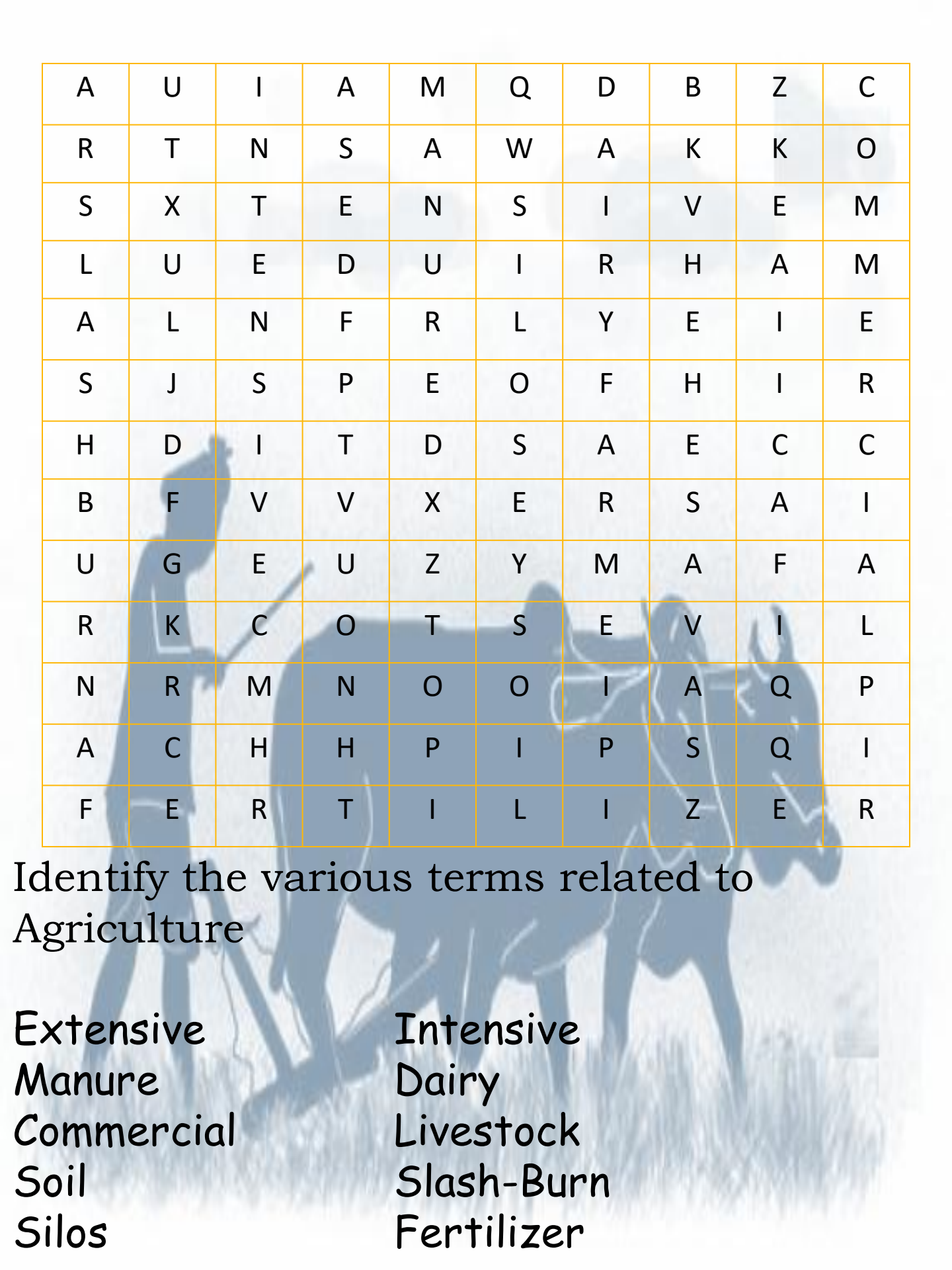
OF THE
3.3
MILLION
FARM
OPERATORS
30%
ARE
WOMEN



FUNGUS

HELPS
TREES

GROW



A	U	I	A	M	Q	D	B	Z	C
R	T	N	S	A	W	A	K	K	O
S	X	T	E	N	S	I	V	E	M
L	U	E	D	U	I	R	H	A	M
A	L	N	F	R	L	Y	E	I	E
S	J	S	P	E	O	F	H	I	R
H	D	I	T	D	S	A	E	C	C
B	F	V	V	X	E	R	S	A	I
U	G	E	U	Z	Y	M	A	F	A
R	K	C	O	T	S	E	V	I	L
N	R	M	N	O	O	I	A	Q	P
A	C	H	H	P	I	P	S	Q	I
F	E	R	T	I	L	I	Z	E	R

Identify the various terms related to Agriculture

Extensive
Manure
Commercial
Soil
Silos

Intensive
Dairy
Livestock
Slash-Burn
Fertilizer



1. Which of the following are primary activities?

- | | |
|-------------|--------------|
| Agriculture | Mining |
| Fishing | All of these |

2. Type of farming to meet family needs is known as:

- | | |
|---------------------|---------------|
| Subsistence farming | Mixed farming |
| Organic farming | None of these |

3. Which of these is not a cash crop?

- | | |
|--------|-------|
| Cotton | Wheat |
| Jute | Tea |

4. Which factors are responsible for the growth of agriculture?

- | | |
|-------------|-------------------|
| Soil | Rainfall |
| Temperature | All of the above. |

5. Which crop is grown in market gardening?

- | | |
|------------|--------|
| Vegetables | Jute |
| Wheat | Cotton |

6. Shifting Cultivation is known as _____ in India.

- | | |
|--------|----------|
| Kharif | Jhumming |
| Ladang | Rabi |

7. Name the major area for Coffee production in India.

- | | |
|-----------------|---------------|
| Punjab Hill | Nilgiri Hills |
| Amarkantak Hill | Arawali Hills |

8. _____ are the important inputs of farming.

- | | |
|--------------|-------------------|
| Fertilizers | Tools |
| Plain region | All of the above. |

9. The farming in which livestock rearing and the cultivation of crops are carried side by side known as

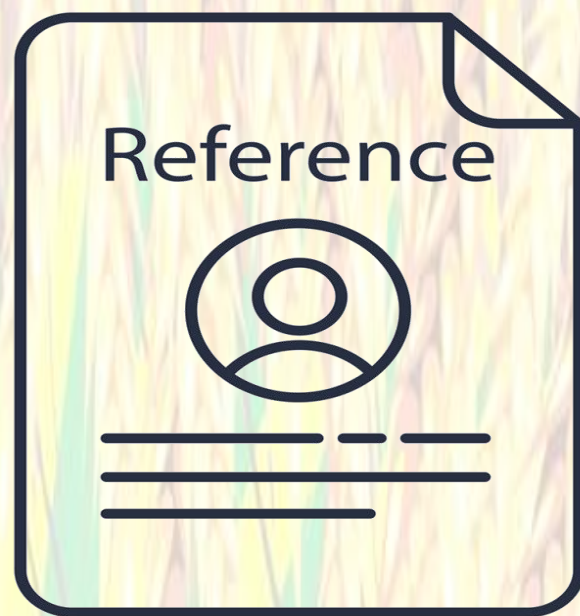
- | | |
|--------------------|--------------------|
| Commercial Farming | Mixed Farming |
| Dairy Farming | Plantation Farming |

10. A type of farming in which animals are reared for milk and meat.

- | | |
|------------------------------|-------------------|
| Plantation Farming | Intensive Farming |
| Extensive commercial farming | Dairy Farming |

Answers

- | | | | |
|-------------------------|-------------------------------|-------------------------|----------------------------|
| 1. All of these | 2. Subsistence Farming | 3. Wheat | 4. All of the above |
| 5. Vegetables | 6. Jhumming | 7. Nilgiri Hills | 8. All of the above |
| 9. Mixed Farming | 10. Dairy Farming | | |



- ❑ N.C.E.R.T. textbook of class 8
- ❑ Footprints-Our Past ,Planet and Society
(macmillian education)
- ❑ Slide Player.com
- ❑ Pinterest.com
- ❑ Google.co.in
- ❑ www.businessstoday.in
- ❑ www.cbseacademic.nic.in
- ❑ www.cbseacademic.nic.in
- ❑ www.learninsta.com
- ❑ www.dronstudy.com

Message



This illustrated graphic novel on Agricultural Practices is an outcome of honest and diligent efforts of the entire team of MPS, Pratap Nagar. When a thought that has been enduring in mind becomes a reality, it is truly interesting and exciting. This issue is intended to be published to cater to the curiosity and edification needs of the students of today. Besides this, this innovative venture will serve as a medium to arouse the interest of the inquisitive minds in complex topics. I earnestly wish that it succeeds in providing maximum benefit to readers. Happy Reading!

Shri Pradeep Baheti
Chairman,
ECMS



It gives me a great sense of pride when I see a perceptible change in the teaching learning process. We have been doing exceedingly well and have touched the pinnacles of achievement in almost all spheres of learning. This innovative idea of graphic novel will definitely endow our kids with a sense of joyful learning. I congratulate each and everyone who relentlessly contributed to this constructive project and made this dream come true. Happy Learning!

Shri Natwar Lal Ajmera
General Secretary, Education,
ECMS

Message



Our temple of learning has always taken necessary steps to improve quality of education, standard of teaching, methods of assessment, development of skills etc. Our sole objective is to cater to the inquisitive minds of our new generation. In this regard, I am truly elated to introduce this innovative idea of teaching through graphic novel. I congratulate the team associated with this noble mission and wish them a great success ahead.

*Shri Mukesh Rath
Honorary Secretary,
mps Pratap Nagar, Jaipur*



I extend a hearty welcome to all the exuberant readers of Graphic Novel on 'Agricultural Practices'. Nothing remains constant in this dynamic world. Graphic Novel is an ongoing feature which supports the reading of a chapter in an effective manner. Building comprehension and critical thinking skills is one amongst the myriad benefits of this innovative and unique pattern for students. The combination of dedication, pragmatic approach and innovative thinking enabled us to fabricate this effective teaching tool. The readers will definitely find it useful in learning a complex subject matter. I would like to express sincere gratitude to Mr. Sandeep Sethi (Director Education, M.S.M.S. II, Museum Trust) without whose unconditional support and persistent guidance, this would have not been accomplished so compellingly.

I hope this aesthetic, artistic and edifying piece of work will fulfill its purpose of making learning enjoyable and effective.

*Ms. Reeta Bhargava
Principal, mps Pratap Nagar, Jaipur*

SUMMARY

The Graphic Novel “Visit to a Village” will help the students to appreciate the most popular form of agricultural practices. It will help them comprehend the necessity of agriculture. The students will be able to distinguish between the various forms of farming. The novel will enhance the capacity of students to access the life style of the village.



The Education Committee of
The Maheshwari Samaj (Society), Jaipur

Legacy of ECMS



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Vidhyadhar nagar



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Kalwar Road



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