

A landmark document, the National Education Policy 2020 (NEP) is a framework that emphasizes the holistic development of learners through experiential learning, arming them with twenty-first-century skills.

Ratna Sagar has always been at the forefront whenever any change is introduced by the government, the CBSE, the NCERT or other boards.

We updated our books and provided support for:

- COMMUNICATIVE APPROACH
- NCF (2005) CCE (2010)
- NEP (2020)
 CBA (2021)
- NIPUN BHARAT (2021)
 SAFAL (2021)

All our major courses are fully compliant with NEP 2020 guidelines.

Here we present Flowers Preparatory Course 3-5.

NIPUN NIPUN

A. Study this pictograph. Then answer the questions that follow. APPLES SOLD IN OCTOBER

EXERCISE 6.I

Third week

One nepresents 1 kg.

than in the third week?

1. How many kg of apples were sold in the month?

2. In which week was the sale maximum? 3. How many more kg were sold in the first week

Fourth

Some Major Skills & Focus Areas

In Flowers **Preparatory Course 3-5**

Creativity refers to new ways of seeing or doing things and includes generating new ideas, flexibility, originality, and building on others' ideas. ??

- 21st Century Skills Handbook by CBSE



Creativity

pp. 36 (C), 190-191 (F) BK 3 Part 1 Part 2 pp. 15 (O), 173 (H) BK 4 Part 1 pp. 13 (K), 24 (K) Part 2 pp. 29 (C), 58 (L) BK 5 Part 1 pp. 27 (A), 37 (M) pp. 38 (A), 126 (MLA)



Collaboration

BK 3 Part 1 pp. 95 (MLA), 162 (D) Part 2 pp. 36 (J), 149-150 (D) BK 4 Part 1 pp. 64 (C), 213 (F) Part 2 pp. 61 (B), 181 (F) BK 5 Part 1 pp. 173 (F), 216 (B) Part 2 pp. 33 (L),

138 (MLA)



Critical Thinking

BK 3 Part 1 pp. 89 (Ex. 1.3), 132 (Ex. 4.7) Part 2 pp. 142 (Ex. 6.1), 152 (F) BK 4 Part 1 pp. 138 (F), 149 (E) Part 2 pp. 137 (Ex. 7.3), 171 (E) BK 5 Part 1 pp. 193 (F), 245 (D) Part 2 pp. 101 (Ex. 3.1), 185 (E)

66 Communication

refers to the ability to express one's opinions, desires, needs, apprehensions etc., appropriately-verbally and non-verbally. 11

- 21st Century Skills Handbook by CBSE



Communication

BK 3 Part 1 pp. 13 (P), 55-56 (N) pp. 16-17 (Q, R), 211 (F) Part 2 BK 4 Part 1 pp. 16 (Q), 64 (A) Part 2 pp. 38 (O), 208 (F) BK 5 Part 1 pp. 14 (O), 62-63 (Q, R) Part 2 pp. 36 (R), 59 (O)

Critical Thinking is the ability to think clearly and rationally and understand the logical connections between ideas; to analyze facts

and come to a conclusion.

Use Grammar

K Work in pairs. Take turns to read out sentences from the story while the oth person identifies and circles the nouns in them. One day, a cap-seller was going to the market with his bundle of caps. Being very tired he went to sleep under a tree. A troop of monkeys sitting on the branches stole all the caps and put them on their heads. When the cap-seller woke up, he shook his fist at the monkeys in anger The monkeys shook their fists back at him! The cap-seller took off his cap and threw it on the ground. The whole group of monkeys also took off their caps and threw them on the ground!

BK 5 Part 1, p. 36 (ENGLISH)

Conceptual **Understanding** refers to an integrated and functional grasp of ideas.



Problem-solving

pp. 77 (W), 106 (Ex. 2.5) BK 3 Part 1 pp. 147 (B), 235 (E) Part 2 BK 4 Part 1 pp. 49-50 (K), 138 (D) Part 2 pp. 133 (MLA), 213 (E) BK 5 Part 1 pp. 113 (Ex. 4.4), 184 (H) pp. 68 (I), 224 (E)

> SKILLS - page 2 FOCUS AREAS - page 3

Work in groups of six. Make a poster on the importance of planting trees.

- Choose a theme like: trees give us clean air; trees reduce noise pollution; trees give shade and food to many.
- Draw pictures or paste photographs.
- Give your poster a catchy title.
- Write one or two sentences about the theme of the poster below the picture.



SAVE THE FORESTS

BK 4 Part 1, p. 64 (ENGLISH)

Skills Handbook by CBSE

66 Collaboration

is the ability

to effectively

work together

with others. ??

- 21st Century





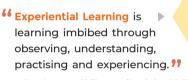
Application of Knowledge

BK 3 Part 1 pp. 11 (L), 42 (J), 199 (D) pp. 58 (K), 167 (H), 205 (D) BK 4 Part 1 pp. 60 (I), 149 (G), 185 (G) pp. 12 (M), 46 (K), Part 2 133 (MLA), 181 (G) BK 5 Part 1 pp. 13 (M), 152 (MLA) Part 2 pp. 11 (K), 46 (J), 99 (MLA), 265 (D)



Conceptual Understanding

BK 3 Part 1 pp. 154 (D), 162 (E) Part 2 pp. 12 (F), 229 (D) BK 4 Part 1 pp. 62 (N), 98 (MLA) Part 2 pp. 147 (D), 201 (G) BK 5 Part 1 pp. 36 (K), 194 (I) Part 2 pp. 175 (F), 214 (B)



- 21st Century Skills Handbook by CBSE

M The sun gives us heat. This heat is also called solar energy. Solar energy saves electricity and reduces pollution. Tick (/) the activities that use solar energy. drving clothes outdoors ____ • growing plants in a greenhouse cooking in a microwave oven _____ • using candles at night *This can be used as a Speaking Exercise Activity Say 'NO' to chemical colours. Make your own natural colours Turmeric gives a beautiful yellow colour. Mix it with gram flour to be used as dry colour. Boil it with water and leave overnight for using it as wet colour. Beetroot makes a lovely pink colour when boiled in water Flowers of the Flame of the Forest, when boiled in water and left overnight, give a nice yellowish-orange colour. How green are you? Discuss with your classmates and tick (\checkmark) the things your family and you do. Do you and your family prefer to use public transport? Do you request people not to burn leaves in the park? Do you walk or use a bicycle for going to nearby places? Do you tell your parents not to use plastic bags? • Do you reuse paper bags that you get from the market? Do you throw garbage at a proper dumping place?

BK 3 Part 2, p. 37 (M) (ENGLISH) includes:

Science, Environment

BK 5 Part 2, p. 213 (F, G) (SCIENCE) includes: Environment, Life Skills, Values

Multidisciplinary Approach

involves several different subjects of study.



Experiential Learning

BK 3 Part 1 pp. 34, 152 (MLA), 183 (I), 209 (I) pp. 27 (Q), 172 (E), 176 (Exp. 2) Part 2 BK 5 Part 1 pp. 117 (MLA), 228 (G) Part 2 pp. 25 (N), 46 (N), 93 (MLA), 181, 231 (H),

244 (H)



Multidisciplinary Approach

pp. 59 (C): ENGLISH-Social Studies, BK 3 Part 1 85-86 (A): MATHS-Social Studies pp. 37 (M): ENGLISH-Science, Environment, 59 (M): ENGLISH-

BK 5 Part 1 pp. 52 (C): ENGLISH-Science, 161 (A): MATHS-Social Studies, 184 (I): SCIENCE-Social Studies,

Social Studies

239 (F): SOCIAL STUDIES-Life Skills,

Part 2 pp. 12 (O): ENGLISH-Life Skills, 176 (I): SCIENCE-Social Studies, 213 (F, G): SCIENCE-Environment,

Life Skills, Values

Listed here are just a few illustrative examples of NEP-compliant pages. We will be happy to provide the other page references.

Air exerts pressure in all directions

EXPERIMENT 6

Take an empty tin and insert a balloon into Blow hard into the balloon to make i up the inside of the tin. Tie its neck very the balloon up. The air inside the balloon presses on all the sides, and can easily help to lift the tin up. Therefore, we say that air exerts pressure

Checkpoint 👺

Circle the correct answers

- 1. Changes in the weather occur in
- (exosphere / troposphere / mesosphere).
- 2. (Ozone / Oxygen / Argon) absorbs the ultraviolet rays of the sun
- 3. (Weather / Air pressure / Humidity) is the amount of water vapour in the a
- 4. Air exerts pressure in (one direction / two directions / all directions).

WATER TOO SUPPORTS LIFE

Water is as important as air for our survival. We need water to drink when we are thirsty. We cannot stay thirsty for long. Plants too cannot live long without water. Water is also needed for cooking. bathing, washing and construction work

It is important for us to drink pure water. The purest form of natural water is rainwater Rainwater can dissolve substances from the air, collect dirt, certain living and dead things and other impurities. This water must be purified and made suitable for drinking.

Impurities in water

The water in wells and rivers is impure due to a. insoluble impurities which can be seen, b. soluble impurities which cannot be seen, and c. disease-causing germs.

EXPERIMENT 7

Half fill a test tube with water and add two spoons of salt to it. Observe it minutely. Repeat this with sugar, sand, copper sulphate, gravel, tea leaves and talcum powder. What do you observe?

You will see that some solids dissolve in water but others do not. When a solid dissolves in a liquid, a solution is formed. Which of the above solids dissolve in water to form a solution?

oval of insoluble impurities

Insoluble impurities present in water may be removed by sedimentation and decantation.

EXPERIMENT 8

Take a mixture of soil and water in a beaker stir it well with a glass rod. All the mixture to stand for sometime. The wier soil particles will settle down at th ottom of the beaker. This is sedimentat Now carefully drain the clean water on the top into another beaker. This is called decantation (Fig. 3.8).



BK 5 Part 2, p. 181 (SCIENCE)



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Ratna Sagar support for NEP, CBA, SAFAL, etc.

Available on request

- Model question papers for CBA
- Summaries & paraphrase
- Extra activities & projects
- Extra questions
- Sample questions (SAFAL for Classes 3, 5 & 8)
- Workshops
- More as newer policies are announced

LARGE NUMBERS	
 Tick (✓) the correct options. 	
1. The expanded form of 6,53,252 is	
a. 65000 + 200 + 50 + 2	
ь. 6500000 + 3000 + 200 + 50 + 2	
c. 600000 + 50000 + 3000 + 200 + 50 + 2	:
d. 60000 + 500000 + 3000 + 200 + 50 + 2	:
2. What is the place value of 8 in the number	5832102
a. 800000 b. 80000	. 800
	changed if the digit 5 is replaced with the digit 1
a. 500 b. 700	c. 200 d. 2
B. Round off the following numbers to the r	iearest hundreds.
1. 256	
2. 539	
3. 9253	25 TH.)
C. Write in words according to the Indian p	place-value system.
1. 749689	
2. 157645	
D. Convert into Roman numerals.	
1. 37 2. 45	3. 56 4. 79

Maths worksheet, Flowers BK 4

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