



# Some Major Skills & Focus Areas

## In Science Magic 1-5

“**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

- BK 1** pp. 20 (Activity), 25 (J), 44 (G), 73 (G), 81 (I)
- BK 2** pp. 16 (J), 27 (H), 28 (Get set!), 52 (G), 98 (Get set!), 102 (F)
- BK 5** pp. 15 (J), 49 (I), 116 (I), 133 (G)



### Critical Thinking

All HOTS Questions:

- BK 1** pp. 24 (H), 36 (G), 43 (D), 51 (E), 79 (E), 93 (E)
- BK 3** pp. 24 (G), 33 (G), 50 (G), 78 (E), 88 (H), 108 (F)
- BK 5** pp. 29 (F), 57 (F), 88 (G), 115 (G)

### Communication

refers to the ability to express one’s opinions, desires, needs, apprehensions etc., appropriately—verbally and non-verbally.”

– 21st Century Skills Handbook by CBSE



### Collaboration

All pair work & group activities:

- BK 1** pp. 26 (K), 37 (I), 52 (G), 80 (H)
- BK 2** pp. 62 (H), 74 (H), 109 (H)
- BK 4** pp. 16 (M), 60 (C), 96 (C), 114 (I)



### Communication

- BK 1** pp. 41 (Activity), 44 (G), 59 (D)
- BK 3** pp. 71 (D), 99 (H), 99 (I)
- BK 5** pp. 21 (G), 68 (H), 88 (J)



### Problem-solving

- BK 1** pp. 27 (B), 28 (Get set!), 65 (E), 74 (A, D), 82 (Get set!), 87 (E)
- BK 2** pp. 26 (F), 35 (G), 37 (A), 52 (F), 63 (B), 65 (Get set!)
- BK 4** pp. 15 (I), 34 (H) 59 (I), 87 (I), 121 (H)

“**Collaboration** is the ability to effectively work together with others.”

– 21st Century Skills Handbook by CBSE

#### I. Class activity

Divide the class into six groups. Collect pictures of different animals.

<p><b>TIGER GROUP</b></p> <p>Collect pictures of animals that eat the flesh of other animals.</p>	<p><b>HORSE GROUP</b></p> <p>Collect pictures of animals that eat parts of plants.</p>	<p><b>MONKEY GROUP</b></p> <p>Collect pictures of animals that live on trees.</p>
<p><b>BEE GROUP</b></p> <p>Collect pictures of animals with six legs.</p>	<p><b>BIRD GROUP</b></p> <p>Collect pictures of birds.</p>	<p><b>FISH GROUP</b></p> <p>Collect pictures of animals that live in water.</p>

BK 3, p. 33; BK 5, p. 105



#### G. Think and answer.

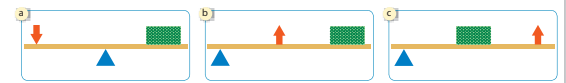
Priya has three soil samples, one each of sandy soil, clayey soil and loam.

Look at the pictures and help Priya to name the type of soil in samples 1, 2 and 3. Give reasons for your answer.



#### F. Think and answer.

Which of the following levers would be the best choice to lift a heavy box?



**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.

### Green corner

Using too much fertilizers and pesticides can be harmful to crops, soil and human health. Pesticides can get washed away during rain into rivers and ponds and cause water pollution.

BK 5, p. 55

### Holistic Learning

approach is an approach that seeks to fully activate all aspects of the learner’s personality (intellect, emotions, imagination, body) for more effective and comprehensive learning.”

– International Bureau of Education, UNESCO

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BK 1, p. 37



