

Answers

Theme 5: How Does The Universe Work? Chapter 6. All About Satellites

Main Coursebook

Re-KAP

Kinaesthetic: Accept all relevant responses.

Auditory:

1. postcards and video calls
2. stories

Pictorial:



Interacting Better: Accept all relevant responses (Possible Answer: finding our location (GPS), weather forecasts, tracking aeroplanes and watching TV through satellite television)

Understanding Better (page 39)

1. Aryabhata
2. IRS-1A

Learning Better

- A. 1. c 2. b 3. c 4. c 5. c
- B. 1. Moon 2. rockets 3. 1957
4. Remote 5. IRS-1A
- C. 1. Natural satellites are natural satellites. The Earth has one natural satellite, the Moon, whereas artificial satellites are man-made objects that revolve around the Earth.
2. Artificial satellites are used for communication, weather forecasting, remote sensing and navigation.
3. communication satellite
- D. 1. Meteorological satellites give us early warnings of dangerous storms, cyclones, forest fires, floods or moving glaciers. This helps us in disaster management efforts. These satellites also monitor rainfall. This helps our farmers plan the cultivation of their crops better.
2. India also has a strong space programme. It launched its first communication satellite,

Aryabhata, in 1975. Today, India's GSATs (Geostationary Satellites) are used for the purpose of audio-visual communication. IRS-1A, India's first remote-sensing satellite, was launched on 17 March 1988.

Creating Better : Accept all relevant responses.

Thinking Better: Accept all relevant responses.

Choosing Better: Accept all relevant responses

Revising Better: Accept all relevant responses.

Students' Worksheets

Worksheet 1

- A. 1. object 2. Natural and artificial
3. the Moon 4. atmosphere
5. crops
- B. 1. The Moon
2. rockets
3. Communication Satellite
4. October
5. Aryabhata
- C. 3. (✓)

Worksheet 2

- A. 1. satellites 2. man-made
3. weather 4. map
5. IRS-1A
- B. 1. A 2. A 3. N 4. A 5. A
- C. 1. False 2. True 3. False
4. True 5. True

Worksheet 3

- A. 1. They help us predict the weather.
2. They give us early warnings of dangerous storms, cyclones, forest fires, floods or moving glaciers.
3. They help our farmers plan the cultivation of their crops better.
4. They help in measuring pollution in the air.
5. They help scientists study changes in the Earth's climate.
- B. 5. (✓)
- C. 1. d 2. e 3. d 4. a 5. b

Book of Holistic Teaching

Developing better

A. English:

1. a
2. a

B. **Maths:** 95 is a composite number.

A composite number is a number that has more than two factors. The factors of 95 are 1, 5, 19 and 95. Since 95 has four factors, it is a composite number.

A prime number, on the other hand, has only two factors: 1 and the number itself. For example, 7 is a prime number because its only factors are 1 and 7.

So, 95 is not a prime number, it is a composite number.

C. Science:

1. **The Moon revolves around the Earth:** The Moon orbits or moves around the Earth.
2. **The Moon has different phases:** The Moon changes its shape as it orbits the Earth and these shapes are called the phases of the Moon.

Book of Project Ideas

Making better

Accept all relevant responses.