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SPACE EXPLORERS™
Hands on Astronomy & Space Sciences Workshops

A DAY ON EARTH

Educational Resource



Young children understand day with the presence of the Sun and night with the Moon and stars. They naturally believe that it is same time of the day at all the places. But when India has morning, why does America have night? This workshop changes their outlook and unfolds the fact that rotation is responsible for it and time of the day is a local phenomenon for every place on the Earth.

OBSERVATION LOG

Q. Investigate and fill in the blanks. [Use help boxes]

INVESTIGATION - 1

sphere, many, water, half, afternoon

a. How does the Earth look like?

----- Sphere -----

b. Earth has lots of ----- Water ----- bodies.

c. Earth has ----- Many ----- countries.

d. When the Sun shines, ----- Half ----- of the Earth is illuminated. Rotate and see the same.

e. Parts of the day time are morning, ----- Afternoon ----- and evening.



The rotation of the Earth causes day time and night time.

All countries experience morning, evening, afternoon and night but not at the same time.

Some countries share the same part of the day.

INVESTIGATION - 2

morning, evening, afternoon, night time

Bring marker to A

1. When India has afternoon, America has ----- Night -----

Bring marker to B

2. When Australia has night time, Algeria has ----- Morning -----

Bring marker to C

3. When America has afternoon, Algeria has ----- Evening -----

Bring marker to D

4. When Algeria has night time, India has ----- Evening -----

Bring marker to E

5. When America has night time, Algeria has ----- Afternoon -----