

Week 7 - 17th April 2013

Topic - Science
Day Plan

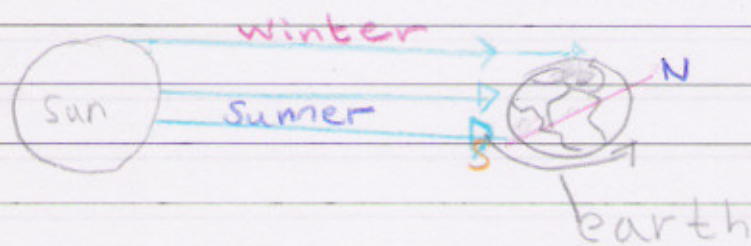
| Time | Activity | Notes |
|---------------|--------------------------|--|
| 09:00 - 09:30 | Earth and Space - Quiz | Quick quiz to see what you remember |
| 09:30 - 10:00 | Our Solar System | Draw our solar system |
| 10:00 - 10:30 | Break | |
| 10:30 - 11:00 | Earth Changes | Look in Encyclopaedia to find why we have seasons an day and night |
| 11:00 - 11:30 | Earth Changes | Write down what you have found out |
| 11:30 - 12:00 | Light and Shadows - Test | Test to see what you remember about our previous topic |
| 12:00 - 13:00 | Lunch and break | |
| 13:00 - 14:00 | Maths - KS2 | Mathematics KS2 Practice Paper 1 Test A |
| 14:00 - 14:30 | @Bristol - Route Plan | Produce a route plan on how to get to @Bristol. |
| 14:30 - 15:00 | ICT | Scan and upload the last two weeks work onto Chaddha.com |

- * Started at 8:30am.
- * The quiz and revision tests set took circa 10 min each, so we saved 40 min.

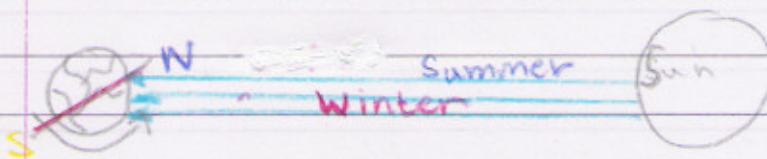
The Earth

Write down explanations as to why the Earth has seasons and why the planet has a day and a night

The Earth tilts slightly causing the close side (north) to be hot or the hot or close side (south) to be cold. As the Earth spins around the Sun and ~~on~~ on its axis this causes different places on Earth to be hot and cold i.e. Winter and Summer



Earth's Axis.



Time : 20min

Sarjesh: Sagar found this difficult, even though he understood the concept, illustrating and describing were tricky.

Sagar: I found it really fun, harder than I thought but I enjoyed it.



Solar System

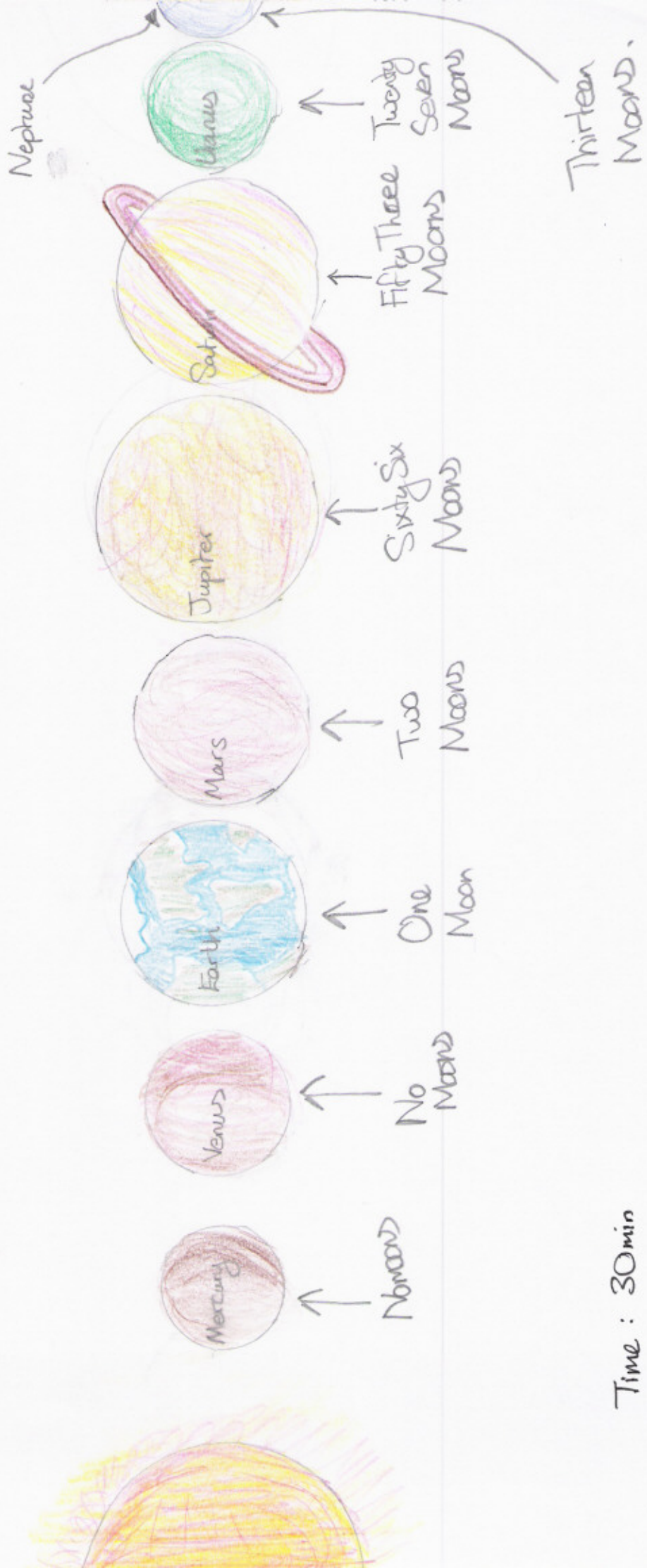
Draw and label the solar system, use colours and keys to make your illustration easy to understand. Also try to remember the names of the planets as that will be tested later on.



Did you know?

Mercury is the hottest and the only messenger roman god in the solar system!?

Did you know?
Neptune is the planet furthest in the solar system!?



Time : 30 min

Sainjeer : Really enjoyed drawing with Sagar.

Test - Light and Shadows



Answer the following questions

1. Which of the following are sources of light, and which can you see because they reflect light?

- a. Stars
- b. Brick Walls
- c. Plants
- d. Mirrors
- e. Planets
- f. Electric light
- g. Candle flame

sources of light

2. If you can see through something, it is said to be Transparent

3. What R can you see when you look in a mirror? reflection

4. What O describes a material that light cannot pass through? opaque

5. How does light travel? Straight

6. What R describes the bending of light? refraction

7. What T describes a material that only some light can pass through? Translucent

8. What do you call an object that makes its own light? Luminous

9. Light travels much faster than sound. True or False? True

10. How are shadows formed? By something blocking light.

11. How can you make a really large shadow of your hand appear on a screen?
closer to the light source

12. On a sunny day, what time of day will your shadow be the shortest?
midday

13. Explain how you see yourself when you look in a mirror.
when you look in a mirror some light is bouncing off it and into your eyes

Time = 10min.

Maths - KS2

Mathematics KS2 Practice Paper 1 Test A, this should take 45 minutes. First Go

1. 21 65 ✓

2. A, E ✓

3. 9 ✓ 5 ✓ Summi ✓

4. 54 ✓ 4 ✓

5.

6. 45 3 5 2 = 5 ✓

7. 17 ✓

8. 10.45 am 45 minutes

9. ~~1/2 10%~~
~~1/5 75%~~
~~1/10 50%~~ ✓
~~3/4 20%~~

10. Look at sheet ~~X~~

11. Mon Tues Wed Thur Fri ✓

Wednesday ✓

£1.40p ~~X~~

12. 8×9 $110 - 38$ ~~X~~
 $460 \div 10$ $27 + 14$ ✓
 $0.2 + 1.5$ $22.6 - 20.1$ ✓

13. Item knows $54 \times 12 = 648$ all he has to do is half it ✓

25 out of 40

$\frac{110}{38} = 72$
 $\frac{40}{25} = 15$

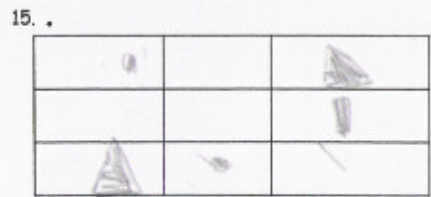
403
 276
 127
 1125
 40
 1085
 91
 160
 45

1 mark

14. And X
 ✓

$$\begin{array}{r} 16 \\ 56 \\ \hline 5 \times 2 \\ 47200 \end{array}$$

$$\begin{array}{r} 200 \\ 175 \\ \hline 1025 \end{array}$$



16. ✓

17.

| | |
|---|---|
| $\begin{array}{r} 207 \\ 21414 \end{array}$ | $\begin{array}{r} 414 \\ 87 \\ \hline 327 \\ 120 \\ \hline 207 \end{array}$ |
|---|---|

 ✓

18. X
 X

19. ✓

20. ✓ ✓

21. X ✓

22. X

23. X

X

24. $y - 6$ $y + 6$ $6y + 1$

$2n - 2$ $2(n + 2)$ $(2n - 1) \div 2$

Quiz - Earth

The Earth orbits the Sun. The time taken for one complete orbit is called a year

Earth also spins on its Axis

The time taken for one complete spin is called a day

The part of Earth facing the Sun is in the day, the rest is the night

Quiz for Both (you are allowed to look on the internet)

1. What was the name of the first man in space?
Smith Gagarin Skywalker
2. What was the first animal in space?
a dog a human a rat
3. What was the first satellite in space called?
Explorer 1 Echo 1 Sputnik 1
4. What was the name of the first spider in space?
Webby Spike Anita
5. What was the first animal born in space?
a dog an elephant a rat
6. What animal delayed a space shuttle launch?
a woodpecker a rat a worm
7. Who was the first man on the moon?
Steve Armstrong Neil Armstrong Nigel Armstrong?
8. Which planet is named after the the messenger to the Roman Gods?
Venus Mercury Pluto
9. The last planet named in our solar system was
Venus Mars Pluto
10. Which planet was named after the king of the Roman gods?
Jupiter Saturn Mercury



Time - 10min

Sagar - At first I found the first couple questions tricky then I suddenly shot up like a rocket

School Trip Plan

Write instructions on how to get to @Bristol together with costs. Remember we will be using your instructions to get there.

Address

At Bristol
Anchor Road
Bristol
BS4 5DB
Tel: 0845 345 1235

Walk to Bath Spa - 30mins

① Get onto 9:30 train to
Bristol Temple Meads - 15mins

Walk

Turn right on Temple Gate All

Turn right onto Portway Lane

Turn left into Reddy Way

Turn right onto Whelsh Back.

Turn left into Queen Square

Continue into Fair's Lane.

Arrive onto Achors road. - 18mins

£6.80p any time train!

£21.5p planetarium