Browns Plains State School – Home learning for Year 5 (week beginning 2-8-21)

English

Reading – own choice texts, Sora, Reading eggs

- ☐ 20-30 minutes reading per day

Writing – Information Report – Choose a planet from our solar system *or* invent your own

Getting to know your planet/creating facts for your planet – read as much information about the planet as you can find, try the internet, encyclopedias and individual books on astronomy and the solar system in preparation for writing your information report (remember to structure your writing as a report: introduction, one paragraph for each topic and a summarizing conclusion).

- ☐ **Topics to research and include in your report:**

  The Planet's Name – what does it mean? Many planets were named after mythological gods.

  Position in the Solar System – where is it located? How far from the Sun? How does it orbit? How long does it take to orbit the sun?

  Rotation on its Axis – how long does it take for your planet to rotate on its own axis? (this is one day on your planet)

  Size – How big is your planet? How does it rate in terms of the other planets (is it the biggest, the smallest?) What is your planet's mass?

  Gravity – What is the force of gravity on the surface of your planet? Eg. How much would an 80kg man weigh on that planet?

  Atmosphere – What is the composition of the atmosphere on your plant? Is it thick or a thin atmosphere?

  Temperature – What is the temperature range on your planet? How does this compare to the temperature on Earth?

  Composition of your planet and its appearance – is it rocky or a gas giant? What is its internal composition?

  Moons and Rings – If there are moons or rings orbiting your planet, describe them and when they were discovered.

  How would a Human Being fare on your planet – would you be able to breathe, would you choke on the atmosphere, be squashed by the extreme gravity, float with ease, freeze, burn up or something else?

  Something Special – Is there anything special about your planet? Eg. Giant volcanos, 100-year-long storms, very tilted planet (giving extreme seasons).

- ☐ **Citing your References** – ensure you keep a list of all references you have used for inclusion in your bibliography.

Science

- ☐ Read the comic strip – "But it looks Flat" (attached)

- ☐ Compile observations of phenomena to prove the **spherical shape of our Earth** and how it is **in a system of planets orbiting a star** (eg. How boats sailing away from us will begin to disappear from the bottom, leaving the top of the mast the last thing we see, the Sun 'rising' in the east and 'setting' in the west).

Maths

Number and Algebra

- ☐ Show all the pairs of factors for the numbers 50, 64 and 75.
- ☐ Draw a visual representation of all the different arrays for the number 72. Write a number sentence to accompany each array.
- ☐ Write 5 real-life word problems involving 1-digit by 2-digit multiplication. Use a written strategy to solve each problem. Show your working.
- ☐ Draw a number line between 0 and 1. Place the following fractions on your number line: 1/2, 1/3, 2/3, 1/4, 2/4, 3/4. Under the number line, draw each fraction.
- ☐ Write 5 real-life word problems involve fractions with the same denominator. Answer each problem and show your working.

Measurement and Geometry

- ☐ Define and provide examples of "perimeter" and "area".
- ☐ Choose 5 items in your home to measure the perimeter and area of. You may use formal (ruler, measuring tape) or informal (pegs, pencils, paddle pop sticks) units. Photograph or sketch your work.

Mathletics

- ☐ Complete tasks set by your teacher – Fractions and perimeter/area

LOTE

Language/Vocabulary

- ☐ Practise numbers (1-20), colours, family members and pets
- ☐ Practise vocabulary for hobbies, sport and leisure activities

Writing

- ☐ Write a list of hobbies you enjoy (remember *ber-* and *me-* verbs)

Culture

- ☐ Research hobbies and activities that are popular in Indonesia

Family Activities

Stretch, relax and unwind by doing some yoga poses.
Jog on the spot for 5 minutes to warm up then hold each yoga pose for 60 seconds

SCIENCE

But it looks Flat!

the_universe.mp4

Distance_of_the_Planets_from_the_sun.mp4

MATHEMATICS

Fractions

Perimeter and Area

LINK TO LEARNING AT HOME

https://education.qld.gov.au/curriculum/learning-at-home