W/C 15.06.2020: Learning Project - Space

Age Range: YEAR 3

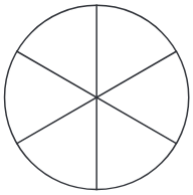
Weekly Maths Tasks

Weekly focus 1: Subtract Fractions

- Watch the following video by searching: White Rose Maths Year 3, Summer 2 Week 2, **Lesson 2**: Subtracting Fractions (The date will show W/C 27th April on the website) OR follow the link below:

https://whiterosemaths.com/homelearning/year-3/

- Have a go at the following questions, you can draw some images if you'd like to help you work it out.



5/6 – 2/6 = ____

Remember the numerator (top number) changes and the denominator (bottom number) stays the same.

a) 2/3 - 1/3 = _____
b) 4/7 - 1/7 = _____
c) 5/10 - 3/10 = ____

- Use IXL (link below) – Subtracting Fractions tasks: Y.4 and Y.6

https://uk.ixl.com/signin/reasideacademy

Weekly focus 2: Problem solving fractions

- Watch the following lesson video by searching:

White Rose Maths Year 3, Summer 2 Week 2, Lesson 3 OR follow the link:

https://whiterosemaths.com/homelearning/year-3/

- Billy ate 2/8 of a pizza and Bob ate 5/8. Who ate the most?
- Jo had 1/3 of her chocolate bar remaining and Lucy had ¼ who had the most left?
- What comes next one tenth, two tenths, _____ tenths, _____

Weekly focus 3 (arithmetic): Addition of 3 digit and 1 digit numbers

- Use IXL (link below) – Add one-digit numbers to three-digit numbers -tasks: i2 and i8

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Try the following calculations:

- 345 + 3 =
- 222 + 5 =
- 872 + 2 =

What do you notice now? Do you now need a method?

- 345 + 7 =
- 222 + 9 =
- 872 + 8 =

Weekly Reading Tasks

Weekly focus: To summarise and review the main ideas of the text

- **Serial Mash** (this can be found on the home page of Purple Mash) then click 'Emeralds' and select Alien Hotel.

Monday: Read text: Alien Hotel, Chapter 7
Tuesday: Chapter 7 Quiz
Wednesday: 1. Alien Hotel: Book review
2. Design a book cover on paper
Thursday: Kyle Space Cam
Friday: Complete any incomplete tasks

Additional tasks/reading fluency practice:

- If you have no computer to complete tasks, read your favourite book and write a book review explaining what you liked and disliked about the book.
- Listen to your child read and let them discuss what they have read. Encourage them to read with expression and intonation.
- Watch Newsround and discuss what is happening.

Weekly Writing Tasks

Weekly focus: Create and describe a new world understanding how small details can be included to evoke time, place and mood

- Design a new world or planet, on paper – you might want to draw this or make a bullet point list. What might it look like? Who might live there? What might the weather be like? Is it upside down, under the sea or in the clouds? It really can be anywhere!
- List some adventurous vocabulary to describe your creation.
- Write a short (or long and detailed) paragraph/ page to describe your planet – think about how the weather might effect the **mood**. Describe as much as possible by including your list of vocabulary!

Weekly focus (spelling and grammar):

1.Spell words that are often misspelt by counting out syllables

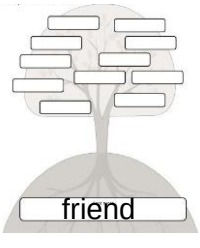
- Count the syllables for the following words:

material, medicine, mention, minute, natural, naughty

- Create spelling pyramids using the words above (here is an example):

2. Develop growing knowledge of suffixes

- Use the following website link or Google: Suffixes, BBC Bitesize, KS2 – to watch the videos and complete the tasks: https://www.bbc.co.uk/bitesize/topics/zqqsw6f
- Draw a tree, and write the root word: **friend** at the bottom. On the branches list as many derivations of the word using a variety of suffixes. For example: friend**ly**.
- Choose different root words and repeat the task as much as you like.



Learning Project - to be done throughout the week

The project this week aims to provide opportunities for your child to learn more about space. Learning may focus on our Solar System, the Sun and the Moon. It could look at life in outer space from the view of an astronaut and travelling through space.

- **Our Solar System-** Encourage your child to think about what they already know about space and create a mind map. Can they name the planets in our solar system? Can they remember them in order or create their own mnemonic to help them? Ask your child to research the characteristics of the planets e.g What is it made of? What size is it? How close to the Sun is it? Temperature? Can they create a fact file, PowerPoint or Google Slide presentation on a planet of their choice? These facts about Mars or these facts about space may be a good starting point.

- **Blast off!- Ask your child to design a new spacesuit suitable for an astronaut. They will need to consider which materials would be most suitable, comfort for the astronauts and the temperature in space. Encourage them to design a logo for the spacesuit too. Perhaps they could make this using materials from around the home?** Share your designs at **#TheLearningProjects**.

- **Astronaut Aerobics-** Astronauts have to be fit and agile for their missions to space. Ask your child to design an obstacle course in your garden or home space and put your agility to the test! Can you find your pulse and count your heart rate before and after exercising? ***Recommendation at least 2 hours of exercise a week.***

- **Out of this World-** Ask your child if space travel was made more accessible and they could go on holiday to space, would they like to be the first space tourist? Can they think of arguments for and against being the first space tourist? Is it unethical for millionaires to spend their money on space tourism or should they spend all their money on reducing poverty? Ask them to prepare a speech about this discussion point.

One Giant Leap for Mankind - Ask your child to find out about Neil Armstrong. Who was he and what challenges did he have to overcome during his life? Can they write a biography or create a piece of drama about Neil Armstrong's life and achievements?

STEM Learning Opportunities #sciencefromhome

Mission X – Jump Training

- Stronger bones help astronauts stay safer while performing all of their assigned tasks – whether in a space vehicle, on the moon, Mars, or once back on Earth.
- Your bones become stronger when you do exercises that support your weight, such as running or jumping. Train like an astronaut by skipping on the spot for 60 seconds without stopping. Rest for 30 seconds. Repeat three times. Vary and extend by adding jumping jacks, travelling forward and by increasing length of time. You can find out more here.
  Sign up and access all of the Mission X resources here.

Additional learning resources parents may wish to engage with

- **BBC Bitesize -** Lots of videos and learning opportunities for all subjects.
- **Classroom Secrets Learning Packs** - Reading, writing and maths activities for different ages.
- **Twinkl -** Click on the link and sign up using your email address and creating a password. Use the offer code UKTWINKLHELPS.
- **White Rose Maths** online maths lessons. Watch a lesson video and complete the worksheet (can be downloaded and completed digitally).
- **Times Table Rockstars** and **Numbots.** Your child can access both of these programmes with their school logins. On Times Table Rockstars, children should aim to play Soundcheck for 20 minutes daily.
- IXL online. Click here for **Year 3** or here for **Year 4**. There are interactive games to play and guides for parents.
- **Mastery Mathematics Learning Packs.** Take a look at the mastery mathematics home learning packs with a range of different activities and lessons.

Y3 Talk for Writing Home-school Booklets and **Y4** are an excellent resource to support your child's speaking and listening, reading and writing skills.

#TheLearningProjects