Year 4 Nova Home Learning

Day	Writing Task Please remembers to practise your spellings (See Spelling Shed logins) and joined handwriting every day. **Read quietly or aloud each day too.**	Maths Task Please play Time Table Rockstars to practise your fluency!	Line of Enquiry Task (If your child has their own ideas for a project, feel free to let them be creative and follow that 'line of enquiry' too)
1	**LO: To plan an adventure story** Last week, we practised using different features of adventure stories and wrote a practice introduction. This week, we will begin by planning your own adventure story. Your Choices: 1. Plan an adventure story about the journey of maize (similarly to my example). 2. Plan an adventure story about the journey of the cocoa bean (using your Line of Enquiry research). 3. Choose your own topic for an adventure story. You can plan your story using a story map or by summarising what each of your paragraphs is about. You may include pictures to help you too. **Challenge**: Create a word bank of show not tell phrases, interesting vocabulary and conjunctions that you can use when you start writing tomorrow.	 **LO: To revise multiplication and division** What is 10×7? Work out $90 \div 10$ What is seven multiplied by one? Find the perimeter of the rectangle. 3 cm, 12 cm Work out 11×7 What is $63 \div 7$? What is nine multiplied by zero? Find the perimeter of the square. 4 cm What is 3×12? Find $36 \div 6$ Six divided by six is equal to? Find the sum of 3,482 and 1,563	**DT LO: To create a shopping list** Now that you have your design ready for you chocolates, you need to think about what you actually will need ready for tomorrow. Here is an example for chocolates with a biscuity centre and sprinkles on top… 1. 400g of Milk Chocolate 2. 1 Pack of Digestive Biscuits 3. 1 Pack of Sprinkles 4. 1 or 2 Ice Cube Trays (as chocolate moulds) Think carefully about keeping costs down. How could you make your recipe cheaper? Real chocolate companies have to do this too so that they will make a profit. Speak to your adult about your shopping list so that you are ready to make your chocolates.
2	**LO: To write the introduction of an adventure story using interesting vocabulary** Today you will write your introduction paragraph. Before you start, please reread my WAGOLL's introduction paragraph to make sure your writing is of Year 4 quality! *A vast landscape of green, dry fields stretched for miles. Tall plants spanned the land as far as the eye could see. Above the fields, thick, white clouds filled the sky, making it feel later in the day than it was. A rich soil smell lingered in the air as the soft winds began to pick up pace, rustling the leaves. In the distance, a small truck pulled up alongside the dirt track and two men, whose hands were incrusted with brown mud and dried on sweat, stepped out onto the edge of the field.*	**LO: To revise multiplication and division** 1) Work out $3 \times 3 \times 4$ 2) What is nine multiplied by eight? 3) $12 \div 1$ is equal to? 4) Work out $3,924 - 1,451$	**DT LO: To create your prototype chocolates** Take time to get all of your ingredients and equipment ready on the side. You could do a lot of the setting up for this by yourself. You will need to wipe down the sides to make sure everything is hygienic and clean. Then you can get started! Everyone's first step will be to melt their chocolate. If you are using a microwave to melt the chocolate, break the chocolate up and check and stir it after every 15 seconds (otherwise it will burn and the whole bar will have been sadly wasted!). After you

	Include lots of interesting vocabulary and description about your setting to help the reader imagine the scene.	1) Complete the factors of 15 2) What is 7 × 3? 3) Work out fifty-four divided by six 4) 9 kilometres = ___ metres	1) Write all the factors of 8 2) Work out 8 × 11 3) What is ten multiplied by 8? 4) 3,000 m = ___ km	have melted your chocolate, it is up to you as to what you mix it with or decorate it with. When finished, put your chocolates in the fridge to cool and then wrap individually in cling film or foil when finished. Later on or tomorrow, you can then put them into your chocolate boxes ready to share with friends and family!
3	**LO: To continue writing your adventure story using show not tell** Start by rereading yesterday's writing to check where you are up to and then check your plan from Monday. Again, reread the WAGOLL from last week to help you with ideas for sentence openers and where you story should be heading. Now is the time to include show, not tell to ensure you are describing how your character is feeling. Try to include some speech using inverted commas too. Remember: Capital letters for the start of EVERY sentence!	**LO: To revise multiplication and division** 1) What is 25 multiplied by 6? 2) What is 12 divided by 2? 3) Work out 6 × 100 4) Add together 800 and 120 1) Find 16 × 5 2) What is 8 × 5 × 2? 3) 10 lots of 8 is equal to? 4) What is 800 subtract 120?	1) Work out 26 × 5 2) Find the product of 12 and 10 3) Find 13 × 10 4) What is 8,000 + 120?	**Music LO: To practise and learn new songs** Mrs Young would like everyone to use the following free website to practise learning the 'song of the week', each week. https://www.singup.org/singupathome/song-of-the-week Take time to learn the words and then you could perform for your parents if you are feeling confident!
4	**LO: To conclude a story using a cliff hanger** Start by rereading your writing from yesterday to check where you are up to again. Today, you will work on writing the last two or three paragraphs of your adventure story. Take time to make sure you have lots of fronted adverbials, adjectives and correct use of punctuation to finish your story on a high! We will proof read, edit and publish tomorrow.	**LO: To revise multiplication and division** 1) Work out 218 × 3 2) Find fifty multiplied by seven 3) What is the value of 1 × 8 × 7? 4) What is 120 less than 8,000?	1) What is 431 multiplied by 5? 2) Write all the factors of 12 3) Work out 42 ÷ 6 4) Round 347 to the nearest 10	**DT LO: To review your chocolate successes** Today, you need to think about what went well with your chocolates and what to improve on if you made them again. Speak to anyone who tried your chocolates for some advice too, then make a list of what went well and things to improve next time.

		1) What is 96 ÷ 3? 2) What is 32, three times? 3) Work out 81 divided by 9 4) Round 347 to the nearest 100	
5	**LO: To proof read, improve, edit and publish an adventure story** Follow these steps today… 1. Read your story aloud from start to finish and edit any basic mistakes you can spot. 2. Go back through and add 5 or more extra adjectives. 3. Count your fronted adverbials with commas. How many have you included? If you have less than five, go back through and add some to the start of sentences. Now you can publish your writing on the computer or on a new piece of paper. Feel free to decorate with a border or picture and email your amazing work to the homelearning email address so I can read them!	**LO: To revise multiplication and division** 1) What is 75 divided by 3? 2) Work out 124 × 3 3) Share 60 into 3 equal groups 4) _____ metres = Half a kilometre 1) Work out 85 ÷ 4 2) What is 72 multiplied by 5? 3) Find the product of 5, 8 and 9 4) Round 4,523 to the nearest 1,000 1) Find 575 ÷ 5 2) What is 249 × 3? 3) Multiply 11 by 12 4) Round 4,523 to the nearest 100	**Computing LO: To identify how to get to computers to do what we want** For this lesson, follow the link below and complete the activities and watch the videos. https://www.bbc.co.uk/bitesize/articles/z4gsy9q
6	**LO: To understand the difference between fact or fiction** Follow this BBC Bitesize link for today's learning. Read the information and complete the activities provided. https://www.bbc.co.uk/bitesize/articles/zkvg47h	**LO: To revise area** 1) Which shape has the largest area? A B 2) Divide 75 by 3 3) What are the factors of 14? 4) Write 27 in Roman Numerals.	**Science LO: To research the digestive system** Using a book or the internet, research the digestive system. Start by looking at some pictures to find out what it is and then type one of the links to have it explained to you or you could also watch a video. In your book, create a digestive system diagram with a picture and key sentences to explain how it functions. This will help you get ready for an experiment tomorrow.

1) What is the area of the shape?
Give your answer in squares.

2) Calculate 87 ÷ 5

3) Multiply 26 by 4

4) Round 3,456 to the nearest 100

1) Find the area of the rectangle.

2) Calculate 372 ÷ 3
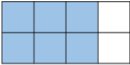
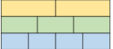3) What is 37 × 5?

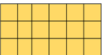4) What is the sum of 1,386 and 299?

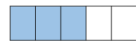| 7 | **LO: To understand the difference between formal and informal language**

Follow this BBC Bitesize link for today's learning. Read the information and complete the activities provided.

https://www.bbc.co.uk/bitesize/articles/zmnvgwx | **LO: To revise fractions**

1) Complete the equivalent fractions.

$\frac{}{4} = \frac{6}{8}$

2) Calculate the area of the shape.

3) Multiply 4 by 17

4) Write 49 in Roman Numerals.

1) Complete the equivalent fractions.

$\frac{2}{} = \frac{1}{2}$

2) What is the area of the rectangle? Give your answer in squares.

3) Calculate 35 × 9

4) Round 347 to the nearest 10

1) What fraction of the shape is shaded?

2) Which shape has the smaller area?
A   B

3) Calculate 2 × 5 × 10

4) What is 37 more than 849? | **Science LO: To carry out an experiment to explain how the digestive system works**

For this lesson, you will need to start by watching the experiment in the video below. Warning: It can be very smelly and messy!

https://www.youtube.com/watch?v=7av19YhNkhE

Watch the teacher carry out the experiment. Now you have two options…

1. Draw a picture of his experiment and label what each of the items represent.
2. Carry out the experiment yourself – check with an adult first as you will need the following items (or replacements for them).

Orange juice, water, crackers, banana, metal tray (or normal bowl), plastic cup (or normal cup), a sandwich bag and half of a pair of tights!

Enjoy the mess if you do complete this but remember to focus on what each part teaches you! |

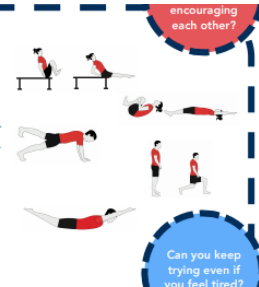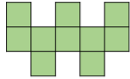| 8 | **LO: To use subordinating conjunctions**

Follow this BBC Bitesize link for today's learning. Read the information and complete the activities provided.

https://www.bbc.co.uk/bitesize/articles/z6kj2sg | **LO: To revise fractions**

1) Complete the sentence.

There are _____ thirds altogether.

2) Draw a shape with an area of 8 squares.

3) Multiply 124 by 4

4) What is the value of the digit 5 in 7,567?

1) How many wholes?

2) What fraction of the shape is shaded?

3) Draw a shape with an area less than 7 squares.

4) What is 3,451 + 2,293?

1) Write the next two fractions in the sequence.
$\frac{1}{10}, \frac{3}{10}, \frac{5}{10}, \frac{7}{10}$, ___ , ___

2) What fraction is shaded?

3) Which shape has the larger area? A   B

4) Subtract 386 from 1,202 | **History LO: To research how the Mayans' chocolate became the chocolate we eat today**

Revise what you have learnt in the last term about the Mayans but now look at how this changed from simple crushed cocoa beans to the delicious chocolate we have now in the UK.

Example ideas of research could be…
1. The history of Cadburys
2. The history of Nestle
3. **Why is chocolate so tasty?** |
| 9 | **LO: To create a formal report**

Follow this BBC Bitesize link for today's learning. Read the information and complete the activities provided.

https://www.bbc.co.uk/bitesize/articles/zrb48xs | **LO: To revise fractions**

1) Complete the sequence.
$2, 1\frac{3}{4}, 1\frac{1}{2}, 1\frac{1}{4}$, ☐ , ☐

2) What is the missing numerator?
$\frac{2}{3} = \frac{}{12}$

3) What is the area of a rectangle with 3 rows of 2 squares?

4) 1,000 more than _____ is 3,481 | **PE LO: To increase your flexibility whilst exercising**
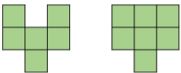
How to play:
• Layout 5 markers in a space around your area. These are your 5 flexibility circuit activities
• **Station 1:** Perform 10 extended tucks.
• **Station 2:** Perform 10 roll and release.
• **Station 3:** Perform 10 lunges.
• **Station 4:** Perform 10 arches, holding each one for 5 seconds.
• **Station 5:** Perform 10 extended leg raises.
• How many times can you repeat the circuit?

encouraging each other?
Can you keep trying even if you feel tired? |

1) Find the sum of $\frac{2}{7}$ and $\frac{3}{7}$

2) What is the missing denominator?

$$\frac{3}{5} = \frac{12}{\quad}$$

3) What is the area of the shape?

4) Add 392 and 1,509 together.

1) What is $\frac{5}{9} + \frac{7}{9}$?

2) How many wholes are there?

3) Find the difference in the area of the shapes.

4) Round 472 to the nearest hundred.

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LO: To practise key spellings

So far, sixteen of you are regularly using Spelling Shed out of forty eight in the year group. A big thank you to those of you who are using it lots! Today, I would like **all of you** to spend at least 30 minutes on Spelling Shed. (Email the home learning address if you do not have your login at home).

How many points could you score for your team? Remember: the more accurate and speedy you are; the more points you will earn!

Maths LO: To use combinations to solve problems

You have two sets of the digits from 0 to 9.

0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9

The idea is to arrange these digits in the five boxes to make four-digit numbers as close to the target number as possible.
You may use each digit once only.

largest odd number

largest even number

largest multiple of 3

smallest multiple of 5

number closest to 5000

PE LO: To improve your balance

How to play:
- How many different body parts can you balance on?
- Can you balance on your back and tummy? What do you do with you arms and legs?
- Can you balance on your hands and feet? Can you lift one hand or leg off the floor?
- Choose your favourite 3 balances. Can you add them together to make a sequence. Perform your sequence to someone else. What do they think?