Please read daily with, or to your child and record in their reading record.

The children receive a bead for their reading keyring if they read to an adult 3 times weekly and it is noted in their book.

Practise your child's Times Tables

(20 mins a week)

# Year 4
## Autumn 2 - 2022



**WHAT MAKES Chocolate IRRESISTIBLE?**

Where does chocolate come from?

How long does it take for chocolate to melt?

Who are some of the famous creators of chocolate?

How do you create the chocolate's shape and pattern?

How do the beans grow?

## English

Our class book this half term is 'Charlie and the Chocolate Factory'.

As writers, we will focus on persuasive writing as the children will be researching adverts and making their own adverts for their chocolate designs. Along with this, we will be using our writing skills to produce a 'Warning Story', focusing on fronted adverbials and accurately punctuated dialogue between characters.

Lexia is continuing. Your child can login at home too. Thank you for supporting your child's reading at home.

## Geography/ History and PSHE

We will deepen the children's understanding of what 'fair trade' means and why it is important. We will learn about the lives of farmers and their families around the world as we consider rights and responsibilities.

As historians, we will also discover the history of chocolate and how over time it became popular in Britain. As geographers, we will explore where cocoa beans grow and how they are processed and transported to the UK.

## Science

As scientists, we will look at states of matter and in relation to that, the changes of chocolate as it melts. The children will use their knowledge to inform their choc drop design choices.

## Art

As artists, we will study the pop art movement and key artists e.g. Roy Lichtenstein and his comic strip style; Andy Warhol's pop art of everyday objects; and Burton Morris' use of repeated images. We will use use these techniques to create similar pieces.

## RE

Our collective worship theme is Trust. As theologians we are focussing on Judaism, then moving on to Trinity through Christianity.

## Maths

As mathematicians, we will be securing the knowledge of addition and subtraction through money. Using the profits from the cafe, children will be applying their skills to accurately total bills along with working out any change. After this, we will have a brief look into area, comparing and making different shapes. Finally, we will end this half term developing our multiplication and division skills by using the written methods.

## Design and Technology

We will look at the manufacturing process of chocolate and how companies design and make new chocolate products before creating our own.

After that, we will revisit our learning about 3D shapes, comparing different shapes and making nets of them. This will be in the context of making packaging for our chocolate bars. We will use the 'teach and tinker' model to evaluate and improve our designs.
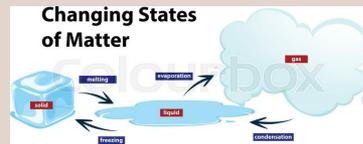
# Autumn term 2 Home Learning

## English

Reading is an essential part of your child's education. Each week, if your child reads 3 or more times at home and the reading record is signed by an adult, they can earn a bead for their keyring.

Spellings - lists for the whole half term are created further along this document.

## Maths:

20 minutes of TTRS a week or alternatively, practise your Times Tables however you feel best works for you.

## Our Collective Worship theme is TRUST.

Is it easier to trust somebody or for somebody to trust you?

What are the characteristics of someone that you trust? Who can you trust and with what?

## Science
Create a poster explaining how solids turn to liquids, to gases, and back again.

Changing States of Matter

## English
Write a letter to Willy Wonka to persuade him to give you a job at his factory.

## Coding
Create your own 'Sprite' and have it change colour when you click a part of it.

## Geography
Create an ideal environment for cocoa beans to grow.

## Reading
Read a recipe for a chocolate cake.

## D.T.
Create a desert. E.g. melting chocolate on strawberries (adult support).

Create a piece of artwork in the style of Georgia O'Keeffe about winter/Christmas.

## English
Create an acrostic poem on the theme of chocolate.

C
H
O
C
O
L
A
T
E

## Maths
Create a bar graph of your friends' and family's favourite chocolate bar.

# Possible spelling activities!

**Play Doh Words**
Spell your words using Play Dough

**Pipe Cleaner Spelling**
Spell your words using pipe cleaners

**Rainbow Write**
Write out each word 3 times but using a different colouring pencil each time.

## 4. Vowel Spotlight

Write your words using one colour for the vowels and another colour for the consonants.
(vowels: a, e, i, o, u)

## 3. Other Handed

Write each word 5 times, switching the hand you write it with each time. Say the word as you spell it.

## 1. ABC Order

Write all of your spelling words in alphabetical (ABC) order.

## 10. Silly Sentences

Write 3 or more sentences that use all your spelling words.

## 6. Pyramid Words

s
s p
s p e
s p e l
s p e l l
s p e l l i
s p e l l i n
s p e l l i n g
(or make them boat shaped, star, smiley face, etc.)

## 2. Word Parts

Write your words. Then use a coloured pencil to divide the words into syllables.
e.g. jumping
caterpillar

## 5. Use Technology

Type out your spelling words on the computer. Try to use at least 4 different fonts.

## 7. "Ransom" Words

"Write" your words by cutting letters out of a newspaper or magazine and gluing the letters on a piece of paper to spell your words.

## 12. Word Search

Create your own word search with your spellings. Show the answers to your puzzle in a different colour.

## 11. Prefixes and Suffixes

Underline the prefixes and suffixes in the words you are learning. Make sure you know what they mean.
e.g. important
happiness

## 9. Scrambled Words

Write your words. Then write them again with the letters mixed up. Can you unscramble them again the next day?
e.g. watch - cwhta

**Key** - Statutory Spellings

200 High Frequency Words    Year 2 CEW    Year 3 CEW    Year 4 CEW    Year 4 Spelling Patterns

Practise these words over the week. The next few pages have some ideas to help you practise so you become an awesome speller!

We will have a spelling quiz the following Friday so you can show off your spelling skills!

## Spelling Home Learning - 18/11/22

Quiz 25/11/22

1. intergalactic
2. internet
3. interact
4. interlock
5. international
6. interrelate
7. intercity
8. intermediate
9. interchange
10. intervene

## Spelling Home Learning - 25/11/22

Quiz 02/12/22

1. bare
2. before
3. most
4. only
5. both
6. describe
7. difficult
8. early
9. enough
10. exercise
11. experience
12. extreme

**Key** - Statutory Spellings

200 High Frequency Words   Year 2 CEW   Year 3 CEW   Year 4 CEW   Year 4 Spelling Patterns

Practise these words over the week. The next few pages have some ideas to help you practise so you become an awesome speller!

We will have a spelling quiz the following Friday so you can show off your spelling skills!

## Spelling Home Learning - 02/12/22

Quiz 09/12/22

1. grey
2. prey
3. rein
4. neigh
5. veil
6. weigh
7. freight
8. obey
9. sleigh
10. vein

## Spelling Home Learning - 09/12/22

Quiz 16/12/22

1. been
2. began
3. old
4. cold
5. gold
6. earth
7. eight
8. famous
9. favourite
10. grammar
11. height
12. history

You may log on to Lexia at home.
https://www.manorpark.dorset.sch.uk/curriculum/school-curriculum/
Click 'Lexia Link'
Then Log in
If you need your details, please let your class teacher know
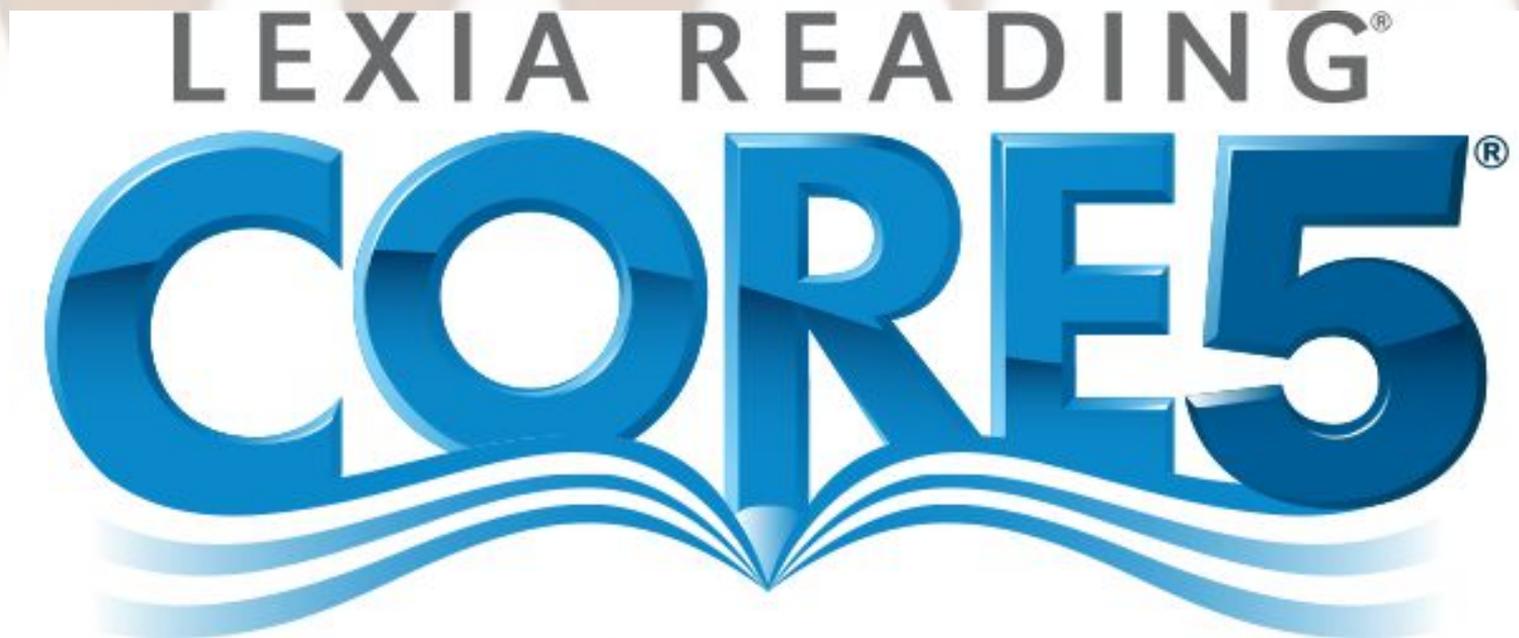
# Extra Times Table Challenge

25 questions.

Time yourself to see how quickly you can complete them.
(you will need to check your own answers afterwards)

You are aiming to complete the questions within 150 seconds .

(2 minutes 30 seconds)

# 18/11/22

$10 \times 11 =$ _____　　$7 \times 9 =$ _____　　$5 \times 8 =$ _____　　$2 \times 4 =$ _____　　$10 \times 2 =$ _____

$9 \times 2 =$ _____　　$7 \times 5 =$ _____　　$4 \times 4 =$ _____　　$9 \times 11 =$ _____　　$7 \times 4 =$ _____

$5 \times 11 =$ _____　　$5 \times 9 =$ _____　　$9 \times 6 =$ _____　　$6 \times 7 =$ _____　　$4 \times 1 =$ _____

$8 \times 6 =$ _____　　$9 \times 8 =$ _____　　$7 \times 6 =$ _____　　$8 \times 9 =$ _____　　$10 \times 1 =$ _____

$3 \times 3 =$ _____　　$5 \times 4 =$ _____　　$3 \times 7 =$ _____　　$12 \times 3 =$ _____　　$5 \times 2 =$ _____

_____ / 25

Time taken: _____

# 25/11/22

8 × 7 = _____

2 × 11 = _____

9 × 4 = _____

12 × 2 = _____

6 × 6 = _____

9 × 9 = _____

11 × 8 = _____

12 × 9 = _____

2 × 3 = _____

3 × 10 = _____

5 × 9 = _____

12 × 1 = _____

6 × 5 = _____

3 × 5 = _____

5 × 3 = _____

11 × 5 = _____

11 × 3 = _____

8 × 8 = _____

3 × 2 = _____

9 × 11 = _____

7 × 5 = _____

10 × 5 = _____

8 × 2 = _____

7 × 12 = _____

7 × 10 = _____

_____ / 25

Time taken: _____

# 02/12/22

$7 \times 8 =$ _____     $12 \times 10 =$ _____     $1 \times 4 =$ _____     $11 \times 2 =$ _____     $2 \times 10 =$ _____

$10 \times 11 =$ _____     $9 \times 5 =$ _____     $5 \times 2 =$ _____     $5 \times 12 =$ _____     $2 \times 7 =$ _____

$3 \times 10 =$ _____     $10 \times 4 =$ _____     $12 \times 9 =$ _____     $10 \times 10 =$ _____     $9 \times 10 =$ _____

$9 \times 3 =$ _____     $5 \times 1 =$ _____     $8 \times 3 =$ _____     $5 \times 6 =$ _____     $8 \times 6 =$ _____

$12 \times 6 =$ _____     $9 \times 4 =$ _____     $7 \times 3 =$ _____     $10 \times 5 =$ _____     $2 \times 3 =$ _____

_____ / 25          Time taken: _____

# 09/12/22

$5 \times 2 =$ _____     $8 \times 5 =$ _____     $10 \times 3 =$ _____     $5 \times 4 =$ _____     $5 \times 8 =$ _____

$7 \times 1 =$ _____     $2 \times 12 =$ _____     $9 \times 5 =$ _____     $1 \times 3 =$ _____     $3 \times 7 =$ _____

$4 \times 9 =$ _____     $9 \times 6 =$ _____     $10 \times 6 =$ _____     $8 \times 12 =$ _____     $4 \times 6 =$ _____

$9 \times 7 =$ _____     $12 \times 3 =$ _____     $5 \times 9 =$ _____     $5 \times 7 =$ _____     $12 \times 4 =$ _____

$2 \times 8 =$ _____     $8 \times 8 =$ _____     $9 \times 8 =$ _____     $10 \times 7 =$ _____     $4 \times 6 =$ _____

_____ / 25     Time taken: _____