

# Oak Curricular Letter

## Summer 2 2023 – Inventors and Inventions

Dear Parents and Guardians,

Welcome back everybody. I hope you all managed to have a relaxing extended break. The children have returned with enthusiasm and ready to learn. They are an amazing group of children and continue to show me every day how great they are; their behaviour is spot on, they show resilience and determination in bucket loads and they are proving super examples to the younger children in school. Well done Oak Class – what a start to this last half term!

We certainly have an action packed half term ahead and this curriculum newsletter will tell you all about the units and areas of learning being covered in this half term. Alongside this, we have so many exciting events taking place – Chorley SSP Sports Festivals for all year groups, Sports Days, First Aid Training, End of Term celebrations for Year 6, plus much more....

As always, all the children will be learning the same topics but will cover the specific year group expectations for Year 3, 4, 5 and 6. Our half termly topic is a Science driver called '**Inventors and Inventions**' and many of our subjects will relate to this. As with the start of all our topics, we discuss it with the children to find out what they already know and what they want to find out. This will form the basis of our weekly planning so that we can try to plan from the children's interests. If you have anything that you think may be of interest to our topic, then please let us know.

Reading books should be sent into school each day children will be given the opportunity to change these daily. We aim to read with children several times a week (this will be with a member of staff) and we do encourage children to read at home regularly.

Toast is still available daily at 20p. If you would prefer your child to bring his/her own snack to school, please keep in mind that we are a healthy school and it should be a piece of fruit or veg.

Children are encouraged to bring a drinks bottle to school each day, **filled with water**. I have noticed some children have juice and school policy is water in line with Change for Life initiatives. All PE kit and school uniform must be **labelled**, so if lost, they can be easily returned to you.

Thank you once again for your continued support. The relationship between school, parent and child has never been more crucial and by continuing to work together, we can ensure that every child in the whole school, will have an exciting, enjoyable and memorable half term. If you need any support, assistance or guidance please do send me a Class Dojo message.

Many thanks,

*Mrs Antonella Greenhalgh*

Head of School

### Days to Remember

#### **Monday**

New spellings issued  
(on Seesaw)

Year 6 Leavers Assembly  
After school club

#### **Tuesday**

PE

Nature After School

#### **Wednesday**

Mrs Harrison teaching  
am

#### **Thursday**

Year 3-6 Ukulele  
  
Performing Arts After  
School

#### **Friday**

Spelling and Times  
Table test (Y3-6)  
PE  
Tennis After school  
club

## MATHS

All children should continue to practise their times tables on Timestable Rockstars and the weekly times table for the test every Friday.

**Year 3** will complete a unit on **Mass and Capacity** – they will measure, compare, add and subtract mass and capacity.

**Year 4/5** will begin by completing a unit on **Statistics** – Introducing line graphs, Read & interpret line graphs, Draw line graphs, Problems with line graphs, Read & interpret tables and Two-way tables. They will then move onto a **Properties of Shape** – Identify, Compare and Order angles, Measuring angles in degrees, Drawing angles accurately, Angles on a straight line, Angles around a point, Lengths and angles in shapes, Triangles, Quadrilaterals, Regular & irregular polygons, Lines of symmetry and Symmetric figures. Next, they will complete a unit on **Geometry**- Describe position, Draw and move on a grid, Position in the 1st quadrant, Translation with coordinates and Reflection with coordinates. Finally, they will complete a short unit on **Converting Units & Volume** – Kilograms and Kilometres, Milligrams and Millimetres, Metric Units, Imperial Units, What is Volume? Compare and Estimate Volume and Estimate Capacity

**Year 6** will begin with a unit on **Statistics** – Read and interpret line graphs, Draw line graphs Use line graphs to solve problems, Circles, Read and interpret pie charts, Pie charts with percentages, Draw pie charts and The mean. They will then complete a unit of **Properties of Shape** - Measure with a protractor, Draw lines and angles accurately, Angles on a straight line, Angles around a point, Calculate angles, Vertically opposite angles, Angles in a triangle, Angles in a triangle - special cases, Angles in a triangle - missing angles, Angles in special quadrilaterals, Angles in regular polygons, Draw shapes accurately and Draw nets of 3-D shapes.

## LITERACY

### Writing

In English, we will begin with a cross curricular unit– ***Can I become a published author?*** The children will look at a variety of biographies on Leonardo da Vinci - he is regarded as one of the world's greatest artists, he was a scientist who studied plants and animals, nature, the weather and the countryside, plus he was one of the greatest inventors who ever lived! The children will complete a modelled write of a biography, based upon Leonardo da Vinci, before completing an independent write based on an inventor studied in our Science lessons – Stephen Hawking. The grammar will be focused on using the perfect form of the past tense and fronted adverbials. The completed independent writes will be displayed in both Mossy Lea and St. George's library.

We will then complete an autobiographical unit - ***Can I tell the story of my parent's life?*** This will be presented in the style of the TV show 'This is your life'.

We will continue to look at year group appropriate spelling patterns and rules and I will upload the weekly spelling patterns on Seesaw, using the 'Spelling Shed' resources.

### Reading

The children in Oak Class will take part in Guided Reading each week. The focus book for Guided Reading this half term will continue to be ***'Journey to the River Sea' by Eva Ibbotson*** - It is 1910 and Maia, tragically orphaned at thirteen, has been sent from England to start a new life with distant relatives in Manaus, hundreds of miles up the Amazon. She is accompanied by an eccentric and mysterious governess who has secret reasons of her own for making the journey. Both soon discover an exotic world bursting with new experiences in this highly colourful, joyous adventure. During this time, they will complete a range of reading activities responding to reading and reading for enjoyment. In Guided Reading, children have the same text as their group which they read independently and to the adult. We then discuss the text and work on a reading objective – VIPERS (Vocabulary, Infer, Predict, Explain, Retrieve, Summary).

As well as Guided Reading sessions, the children have opportunity to read their home reader to an adult. Every child has been given a school reading book, which continues the whole school system for colour bands.

As a Junior, your child has the responsibility to change their own book when finished or when they are ready for a change.

**Children should continue to read aloud to an adult as much as possible.** They should focus on reading for meaning – predicting what will happen in the story and why and also thinking about the character's feelings. Naturally, the focus changes and you are no longer working on building up fluency and expression but looking at prediction, deduction and inference. Questions such as 'What do you think . . . will do next?' 'What could happen here?' 'Why is . . . behaving like that?' will help children to develop their higher order reading skills.

Please could you continue to sign and comment in the reading journal – it really helps! Please make sure your child has their reading journal in school every day.

## TOPIC

Our topic driver this half term is, '**Inventions and Inventors**' driven by our Science lessons.

In Science, we will be answering the question '**What does a real scientist look like?**' This 'Scientists and Inventors' unit will teach about famous scientists and inventors. The children will begin by learning about Marie Curie and her work on radiation. They will find out how she developed the medical use of x-rays and create their own x-ray mode. The children will explore the work of Thomas Edison and Lewis Latimer, carrying out an electricity hunt around school. Next, they will explore the Eva Crane's research into bees and will play a game about the life cycle of bees. They will then learn about the life and work of Stephen Hawking, and carry out an investigation into Hawking's theories on black holes. Finally, the children will find out about the life and work of Steve Jobs, and his development of new electronics and technologies

In History the children will consider the question '**Could I be a student in the House of Wisdom?**' This unit of work will teach about the early Islamic civilisation. They will learn in detail about the significance and importance of Baghdad in helping to build and shape this early civilisation and examine how and why it developed into such a major world power. In addition to this they will find out about the House of Wisdom and some of the influential people who worked and studied there. They will study in detail about how early Islamic doctors made significant contributions to the development of medicine and surgery and how their work still influences the medical profession today. The children will also have the opportunity to learn about other significant discoveries and inventions made by Muslim scholars in the early Islamic civilisation and to explore how items were made and where and how they were traded with the rest of the world.

In DT the children will investigate '**Can I design and make a marble run to select my school meal?**' Oak class have been challenged to improve their environment by using the marble run as inspiration to design and make a unique way of ordering their lunch. The run needs to be longer than 10 seconds

Please take some time to talk to your children about the topics, read books and stories, watch programmes and think of some questions they can explore in class.

### **Homework**

Homework will continue to be sent out half termly - each half term you will receive a home learning menu. As explained on the menu, you must complete the maths, reading and writing activities, at least one science activity and any two options from the topic section. The homework menu will allow you to be creative and imaginative in what you decide to produce.

The hand in date for the activities this half term will be:

**Monday, 17<sup>th</sup> July**

Homework share with the other children, will take place on

**Friday, 21<sup>st</sup> July**

Many parents ask if they can help with activities and projects such as this and the answer is most definitely a resounding 'yes'! There is nothing more motivating for a child than an interested adult. The Homework menu has been sent home.

## Oak Summer 2

### Inventors and Inventions - History & Science Driver

English	Maths White Rose Maths			Science	History
<u>Can I become a published author?</u> (These to be placed in the library in a display section on 'Biographies'). Biography  <u>Can I tell the story of my parent's life? (Present to them in the style of 'This is your life')</u> Autobiography	Year 2/3  Mass, capacity and temperature	Year 4/5  Statistics  Properties of shape  Position and Direction  Converting units and volume	Year 6  Statistics  Properties of shape	<u>What does a real scientist look like?</u>  Topic: Famous Scientists	<u>Could I be a student at the House of Wisdom?</u>  Topic: Ancient Islamic Civilisation
DT	RE Discovery RE	Music Lancashire Music Service		French Rigalo	Computing
<u>Can I design a unique way to order my lunch? (Marble run)</u>  Topic: Materials (cutting)	<u>Do beliefs in Karma, Samsara and Moksha help Hindus lead good lives?</u>  Topic: Beliefs and Moral Values  Religion: Hinduism	Ukulele Curriculum Content – Charanga		<u>Qu'est-ce que'il fait? (What is he doing?)</u>  Topic: Chez moi: Rooms in house, activities	<u>Who started the internet? Exposure to a wide range of job opportunities.</u>  Topic: What is the internet? What is a network? Networks using CS Unplugged, Sorting networks, ages 5-7, lesson 1 and 2
		PE (Chorley SSP)		PSHE Corman Life Education	
		<u>How could I compete in a decathlon?</u>  Topic: Athletics		<u>Secret or surprise?</u>  Topic: Growing and Changing	