

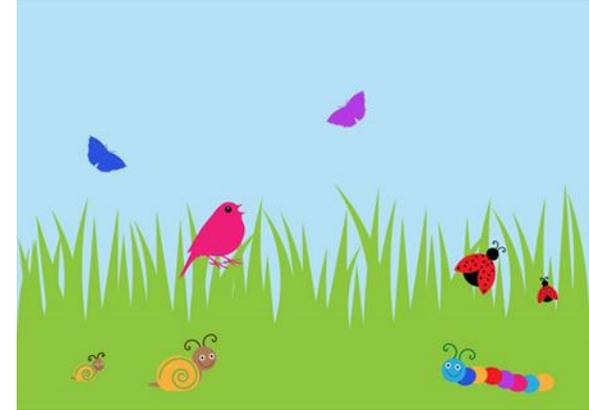


Lyonsdown School

Pride of Place

Year 4 Curriculum Synopsis – Summer Term 2021

Lyonsdown Learning: Collaboration and Reflection



Message from Mrs Murphie

Dear Parents,

I would like to welcome you and our Year 4 girls back to our new term at Lyonsdown. I do hope that you have all had a restful holiday and that everyone is excited to be back for the Summer term – full of new learning and new achievements! It is such a pleasure to be back in the building and gearing up for the final term of Year 4.

This term on 14th June, we can look forward to ‘Countryside Live’ which is a lovely trip to a country fair. The venue will be Hatfield House. Years 3 to 6 and all of their teachers will be going and it should provide an enjoyable and educational day out.

This year we will be having a ‘Sports Week’ rather than an offsite Sports Day and this will take place on the week beginning 5th July 2021.

A few reminders: -

- *Please make sure that all items of uniform are clearly labelled.*
- *If you know that your daughter will be away for reasons such as medical appointments or visiting possible secondary schools, please email or phone in advance to let the office know.*
- *As of writing this, due to the current situation, all stationery is being provided in school.*
- *E-mail is also an excellent way of communicating and my school e-mail address is mmurphie@lyonsdownschool.co.uk*
- *I will, of course, be available to speak to you at the gate after school at any time.*

Best wishes

Margaret Murphie

ENGLISH – Mrs Murphie and Mrs Hall

Reading for Pleasure

Your child should be reading for pleasure every day. Ask her to read aloud to you on at least three occasions each week.

Spoken language

Pupils have frequent opportunities to share their ideas. A weekly drama lesson enables pupils to explore texts, themes and issues in a creative and physical way. It also enables them to develop confidence, poise and group work skills. The class will take part in a debate this term. They will also present an assembly to the school.

Reading

We shall continue with the class reader- *The Iron Man by Ted Hughes*. We shall also read non-fiction texts and use dictionaries and thesauri to check spelling and to help further develop the range and sophistication of vocabulary. Later this term, Pupils will learn a poem by heart.

Writing

This term, pupils will consolidate their writing skills, their vocabulary and their grasp of sentence structure so that they can write competently, creatively and well across a range of tasks and under a variety of conditions.

Transcription: Spelling: At this stage, pupils are expected to be able to write down what they want to say quickly and accurately as the situation demands. Short dictation tasks are set regularly. A weekly spelling focus based on the National Curriculum continues. There will be a spelling and dictation test each Tuesday.

Handwriting: Joined handwriting should now be the norm for pupils in Year 4. Your child will practise her handwriting in order to develop her own neat, individual style.

Composition: Pupils will be helped to plan, compose, structure, re-draft, edit and proofread their writing. This writing will be linked to our class reader and include, diary entries, newspaper reports, setting descriptions and character comparisons.

Vocabulary, grammar and punctuation: Work covered will include revision and consolidation of grammar taught in previous years. Specialist grammar terminology taught in Year 4 includes: *determiner, pronoun, possessive pronoun and fronted adverbial*.

Homework

Homework is set twice a week: on Tuesday, to be returned the following Tuesday and on Thursday, to be returned the following Thursday.

How parents can support at home. Lead by example: show your daughter how much you enjoy reading a wide range of texts. Share stories and poetry together and discuss the news. Help her to expand her vocabulary by noting any new words in a vocabulary book. Don't forget to look up the synonyms and antonyms too.

MATHS – Mrs Polak

This term, pupils will:

Count in multiples of 6, 7, 8, 25 and 1000 including negative numbers. Count up and down in hundredths. Recognise and write decimal equivalents of any number of tenths or hundredths .and $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$. Multiply and divide by 10 100 and 1000.

Convert between different units of measure. Round decimals with one decimal place to the nearest whole number. Order and compare numbers with the same number of decimal places up to two decimal places. Solve simple measure problems involving fractions and decimals to two decimal places. Solve problems involving increasingly harder fractions to calculate quantities.

Estimate, compare and calculate different measures. Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.

Complete a simple symmetric figure with respect to a specific line of symmetry. Describe movements between positions as translations of a given unit to the left/right and up/down. Describe positions on a 2-D grid as coordinates in the first quadrant. Plot specified points and draw sides to complete a given polygon. Find the area of rectilinear shapes by counting squares.

Recall multiplication and division facts for the 12 times table. Read, write and convert time between analogue and digital 12 and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days and problems involving money and measures.

Recognise the place value of each digit in a four or 5 -digit number. Order and compare numbers beyond 1000. Identify, represent and estimate numbers using different representations, including the number line. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.

Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Add and subtract numbers with up to 4 digits and decimals with one decimal place using the efficient written methods of columnar addition and subtraction where appropriate. Estimate and use inverse operations to check answers to a calculation. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Use place value, known and derived facts to multiply and divide mentally, including: - multiplying by 0 and 1; - dividing by 1; - multiplying together three numbers. Recognise and use factor pairs and commutativity in mental calculations. Multiply two-digit and three-digit numbers by a one-digit and 2 digit number using formal written layout. And divide 2 or 3 digit numbers using standard method for short division. Understand remainders can be written as remainders, fractions or decimals. Solve problems involving all 4 number operations.

Recognise and use factor pairs and commutativity in mental calculations.

Use a variety of sorting diagrams to compare and classify numbers and geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. Identify acute and obtuse angles and compare and order angles up to two right angles by size. Identify lines of symmetry in 2-D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry.

Weekly mental maths tests and various problem solving activities encouraging children to think independently and 1 written assessment will take place. Regular use of Mathletics and Bofa will continue.

Homework: Monday to be returned on Tuesday, and Wednesday to be returned on Thursday.

How parents can support at home:

Encourage your daughter to use her mathematical skills in a variety of practical ways such as cooking, which uses ratio, proportion and measurement skills. Real life experience with money and problem solving is always helpful. Reinforce strategies and methods taught in the classroom, instructions for which are available on the School Calculation Policy. Continue practice of times tables and related division facts.

SCIENCE – Mrs Murphie

This term the children in Year 4 will complete a unit on 'Sound and Hearing' and another on 'Electricity'.

Sound and Hearing Pupils will learn to:

- Identify how sounds are made, associating some of them with something vibrating.
- Recognise that vibrations from sounds travel through a medium to the ear.
- Find patterns between the pitch of a sound and features of the object that produced it.
- Find patterns between the volume of a sound and the strength of the vibrations that produced it.
- Recognise that sounds get fainter as the distance from the sound source increases.

Electricity Pupils will learn to:

- Identify common appliances that run on electricity
- Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Recognise some common conductors and insulators, and associate metals with being good conductors

Homework: Wednesday to be returned on Friday

How parents can support at home: By discussing, what your daughter has learned each week in Science and perhaps sharing some non-fiction reading around the subjects being covered this term.

HISTORY – Mrs Murphie

The children will learn about The Viking and Anglo-Saxon struggle for the Kingdom of England.

The girls will cover the following areas.

- Viking raids and invasions
- Resistance by Alfred the Great and Athelstan, first King of England
- Further Viking Invasions and Danegeld
- Anglo-Saxon Laws and Justice
- Important monarchs of England between Alfred the Great and Edward the Confessor.
- Edward the Confessor and his death in 1066

Homework: set on Friday, to be returned the following Wednesday.

How parents can support at home: By discussing, what your daughter has learned each week in history and perhaps sharing some non-fiction reading around the subject.

GEOGRAPHY – Mrs Murphie

The children will cover '**Weather around the World**' and a **regional study of Catalonia**

They will learn:

- How temperature and rainfall is measured represented on graphs.
- How wind speed and cloud cover is measured.
- What are the main elements of the weather?

The regional study of Catalonia is a new topic. After locating the region within Europe and then Spain we will look at some elements of both the physical and human geography of this region to build up a picture of where it is and what it is like compared to our own home place.

Homework: set on Tuesday, to be returned on Fridays.

How parents can support at home: focus on 'geography in the news'; discuss any geographical events that interest you both and make sure that your daughter knows where in the world these events are happening.

RE – Mrs Murphie

Topics this term:

What religions are represented in our neighbourhood?

Hindu Worship.

- Looking at Hindu creation stories
- Understanding how Hindus worship
- The Puja Ceremony

Homework: occasionally set on Friday and due on the following Monday.

How parents can support at home: Encourage your daughter to discuss with you what she has been learning at school and perhaps make a visit to the library to choose a relevant non-fiction book to support the topic. You may feel it appropriate to talk with your daughter about your own family beliefs and views on faith.

PSHCE – Mrs Murphie

This term the children will learn:

- about choices they can make to contribute to a healthy lifestyle, including making choices about free time
- how food helps them to be active, healthy and gives them energy
- about the contribution dental hygiene makes to a healthy lifestyle
- what it means to be grown up and what happens to girls during puberty
- to consider their responsibilities and how they will change in the future
- that there are different ways to gain money and keep it safe
- about a range of ways to pay for things and the consequences
- why charities exist and how they might help them

How parents can support at home:

Talk about the things which your family does to have a healthy lifestyle. Discuss how your daughter's responsibilities have changed, and will change, in the future.

Homework may be set periodically

ART and DT – Mrs Cowie

ART

This term, the theme in art will be based on an exhibition opening at the V & A Museum next month entitled 'Alice Curiouser & Curiouser' based on the book 'Alice in Wonderland'.

"Lewis Carroll's Alice is an icon. Across fashion, film, theatre, music and photography, 'Alice's Adventures in Wonderland', 'Through the Looking Glass, and What Alice Found There' have provided endless inspirations and catalysts for creativity." Quote from the V & A .

Pupils will investigate artists and designers who have been inspired by Alice in Wonderland, and discover how the artist, Kristjana Williams illustrated her own unique wonderland book for the V & A. The girls will create their own 2D work based on the theme, including collages and paintings, and they will practise drawing objects from first hand based on the Mad Hatter's tea party. They will then design and make an eye catching, highly imaginative, 'Alice' themed cup and saucer set using clay and other modelling materials.

After half term, pupils will learn how to use a variety of textile techniques and work collaboratively to create an exciting dress inspired by Alice in Wonderland.

How parents can support at home

Enjoy a visit to an art gallery together, in person or online; share opinions and discuss the paintings and sculptures you see. Look at the multiple works by a single artist and see what you can identify as being the same (e.g. shapes) or different (e.g. colours) in the paintings. This can be a great exercise when a gallery shows work that an artist did over a prolonged period.

DT

This term, pupils will design and make a lighthouse lamp. This unit of work will enhance their knowledge and understanding of using an electrical circuit, incorporating a battery, light bulb, switch and connecting wires. They will also learn how to check that a product is safe, how to use research to support a design and how to construct a model using various materials and equipment successfully.

How parents can support at home

All products we use each day have been designed and made by someone. Discuss with your daughter how and why certain products are made, who the end users might be and what materials they are made of.

MUSIC – Mrs Roberts

We will be developing our knowledge of the musical elements, in particular, structure, pitch, rhythm, dynamics, speed and tonality (whether the music is major or minor). We will be learning to recognize the common musical symbols that represent the above in printed music and how they affect a piece. The children explore pentatonic melodies and syncopated rhythms, learning that the fundamental dimensions of music are the same all over the world. Pupils will be involved in whole class vocal and practical activities using tuned and untuned percussion instruments. Part of our musical study will focus on songs for the Upper School production.

We will explore the elements through a variety of activities both aural and practical and pupils will develop their understanding of the concepts of musical notation through singing and written exercises using mini whiteboards with musical staves.

How parents can support at home:

At home, you can support what your child is learning at school by singing these songs with her and have fun doing the actions which she can teach you! You can tune into Classic FM and chat to your child about the music she can hear. Ask her if the sounds are high or low and what instruments she can hear. Ask her to clap the beat of the music and talk about whether the music is fast or slow, whether it stays the same speed all the time and is the music loud or soft. Ask your daughter if the sounds she can hear are smooth or detached and whether the music slows down, speeds up or stays the same speed all the way through.

Homework may be set periodically

COMPUTING – Mrs Stanton-Tonner

This term work will include:

- Practising and extending all mouse and keyboard skills, including touch typing.
- Coding and programming. Extending our work on designing, writing and debugging programs that accomplish specific goals, including controlling or simulating physical systems; solving problems by decomposing them into smaller parts.

- How technology is used and how to use it safely, respectfully and responsibly. Focussing on separating fact from fiction, locating trustworthy information on line.
- Work linked with class projects and curriculum including animation.

Homework may be set periodically.

How parents can support at home:

Please continue to support your child in the way they use technology safely and respectfully, keeping personal information private and learning to be discerning in evaluating and using digital content. There are many useful websites to help to inform parents e.g. <https://www.internetmatters.org/>

- Coding: <https://studio.code.org/s/coursed> and other free websites are available for children to try coding games and it is good for them to see it in different forms. Games are also available for iPads and other tablets.
- Keep up the encouragement to extend and improve keyboard skills as in previous terms.
As in Computer Science, computational thinking can continue to be encouraged during real life experiences and it is useful to reinforce methods and strategies taught at school. Using decomposition and algorithms can inspire pupils to work on all types of problem solving in many subjects in a logical way. Whatever the problem, what is the first step and the next...? Can you work out the best method or algorithm? Can you improve this?

PE – Miss Doyle

We have a very busy and exciting term ahead of us in the PE department. Please find below an overview of the different activities that your daughter will be involved in.

In PE and Games, all Upper School pupils will be developing their skills in athletics, rounders and tennis. Athletics lessons will cover the skills, knowledge and understanding required to take part in both track and field events. We will also be working on pupil fitness which will include improving pupil endurance and long distance running techniques.

In rounders, lessons will focus on improving pupil's batting, throwing, ground fielding, bowling, catching and running skills. These will be applied in adapted games and we will be further developing pupil knowledge and understanding of the rules in rounders matches.

We are thrilled to be using the facilities at the Barnet Tennis Club and we will be assisted by qualified LTA coaches John Hall and Douglas Morley. Skills which will be covered will be the six basic strokes and applying these within singles and doubles matches.

All Upper School pupils will be learning a dance routine which they will perform in the Summer Production later this term.

How parents can support at home:

In order for your daughter to feel comfortable and to allow her to fully participate, it is essential that all children have their full, correct kit including their tracksuit. For hygiene reasons can your daughter please be provided with a pair of white socks which she wears solely for her PE lessons (not her school socks).

For health and safety reasons, all earrings must be removed or covered with tape prior to taking part in a PE lesson. I would encourage your daughter to not wear earrings on the day of a PE lesson.

Spanish – Madame Walker

This term, children will learn about:

- The Family: introducing their family members.
- Animals: names of several animals, what they look like, what they eat, what they can do
- Clothes: how to say *I am wearing a yellow skirt* and so on...
- Food: food in general and what to order in a restaurant

How parents can support at home:

Encourage your child to share with you what she has been learning at school and to use the new vocabulary learnt at home. For further practice, the BBC provides a free online resource of basic games for children in French: www.bbc.co.uk/schools/primarylanguages/spanish/families/games

Day Given	Subject	Due by
Monday	Maths	Tuesday
Tuesday	English	Following Tuesday
Wednesday	Maths Science	Thursday Friday
Thursday	English	Following Thursday
Friday	History	Wednesday



**Year
4**

Homework Schedule

The homework task will be explained to pupils in the lesson and again on the subject channel of their class' TEAM.
Homework is to be completed in books (unless stated otherwise.)

All other subjects may set homework periodically.