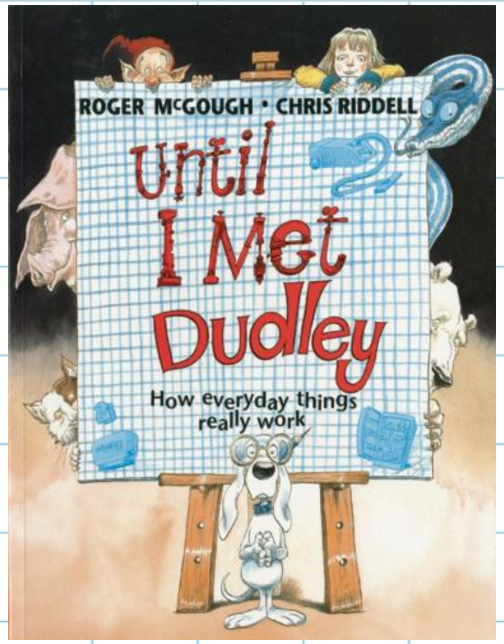
Be all you can be

Hayes School



Responsibility Success Aspirations **Resilience** Discovery Friendship

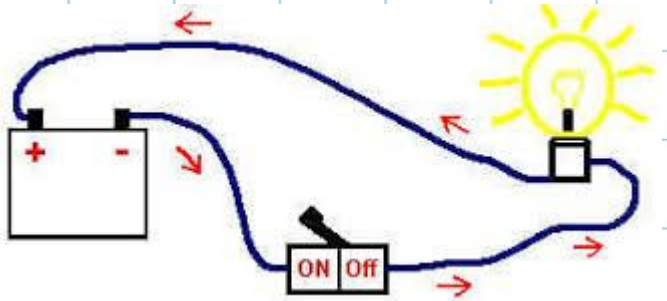
Be all you can be

Hayes School

At Hayes, we strive for our children to push beyond any perceived idea of potential, to be all they can be, regardless of background in order that they leave us as good human beings - happy, kind and responsible. Our curriculum is integral in shaping the children to become independent and life-long learners. At Hayes, we also aim to equip our children with the ability to ‘think’ in order to make sense of an ever-changing world. Our curriculum has been designed, with thinking at its heart, to achieve our ultimate vision: all children will live fulfilling and happy lives, being all they can be.

Learning Experience

Context and Outcome



By the end of this learning experience, children will be able to create an electrical system within a structure they have designed and built. They will also be aware of the benefits of using a computer program in order to control an electrical circuit. For example, how is it that yellow lights flash on and off outside our school at 3pm on Friday, but not 3pm on a Saturday? Does someone have to come and turn those lights on and off with a switch, or is it automatic? How do modern lighthouses have a light that consistently turns itself on and off again? The children will discover how electricity and technology has combined to make our lives better, exploring how a number of different appliances work around their homes. They will also learn about electrical safety, which will be of great importance while creating their outcome - the creation of a night light for a toddler who finds it difficult to sleep.

Curriculum Questions

BIG Question

How can technology and electricity combine to improve our lives?

Design and Technology Questions

How can I plan a design with a complete circuit?
How do I build a structure that can contain a complete circuit?
How can I complete my work safely?
What materials will I need to build my structure?
What are the benefits of a computer controlled program?

Be all you can be
Hayes School

Year 4: Spring 2 2024

ENGLISH

In English this term, we will be exploring and writing explanation texts alongside imaginative pieces based on household appliances.
We will be creating an imaginative piece and an explanation piece of our own based on a household appliance, just like the author of Until I Met Dudley.

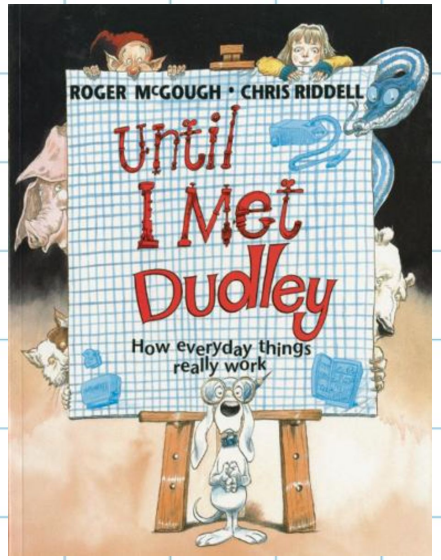
We will use our learning of conjunctions, prepositions, apostrophes for contraction, brackets and adverbials of time in order to create an excellent final writing piece before Easter. The children will evaluate how successful they've been and learn to suggest improvements to their own work, as well as others, using our ELF to ELF ideology. Ask your child about ELF to ELF tonight!

MATHS

We will finish of the topic of perimeter and length before moving on to this term's main topic of fractions. The children will learn the value of fractions and equivalent fractions. They will discover that fractions can be greater than one and that they can also be converted into decimals! We shall learn how to count in hundredths and tenths, recognise and write decimal equivalents to one quarter, one half and three quarters and we'll learn how to round decimal numbers to the nearest whole number. This learning will help children begin to solve more complex problems involving measurement and money with up to two decimal places.
Times Tables continue to be a priority ahead of the National Times Table Check and will be practised daily.

English- Texts

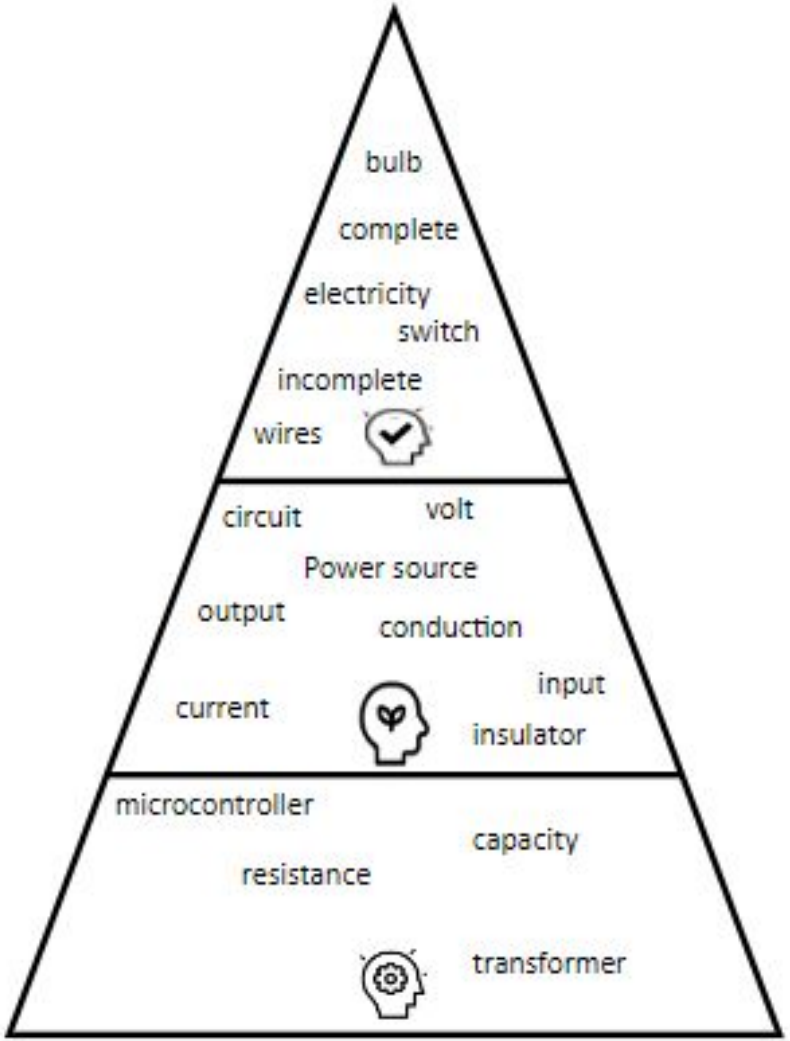
Main text:



Until I Met Dudley by Roger McGough

Have you ever wondered how a toaster works? Or a fridge-freezer, or a washing-up machine? In this fun-filled book of how things work, Dudley, the techno-wizard dog, provides the answers. Roger McGough's delightfully ingenious text and Chris Riddell's striking illustrations take children from the furthest realms of fantasy into the fascinating world of technology to discover the workings of familiar machines, making it an exciting book which will delight again and again. At first, it describes how a child thinks things work... (gnomes in the toaster) and then Dudley tells you how the various household appliances really work.

Key Vocabulary



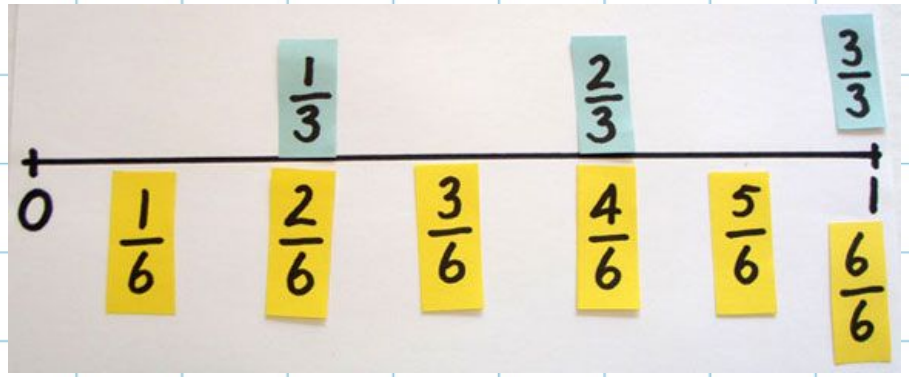
Our 'know' words

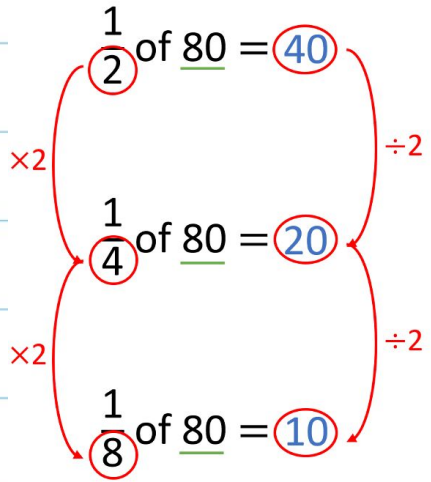
Our 'grow' words.

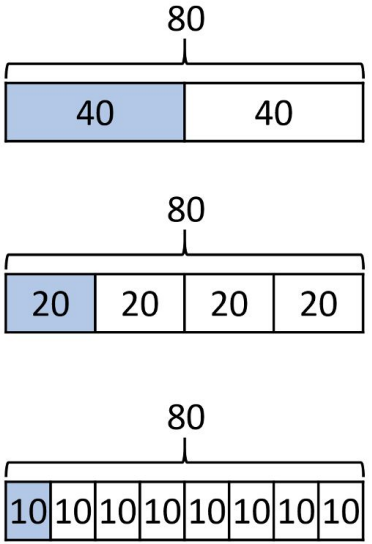
Our 'show off' words.

Maths- models and images

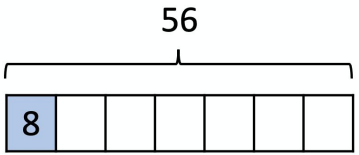
Fractions





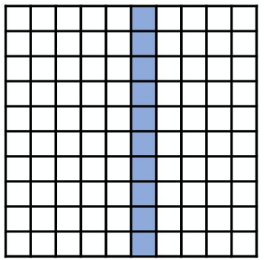


$\frac{1}{7}$ is 8, the whole is 56



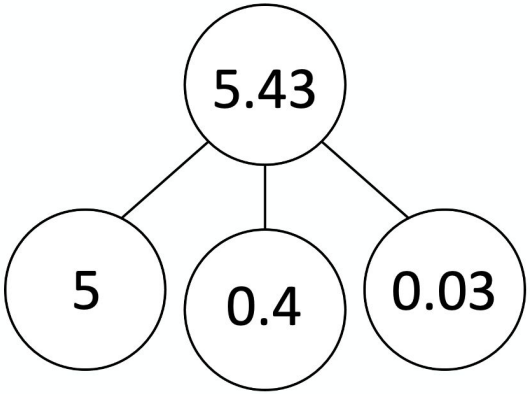
Maths- models and images

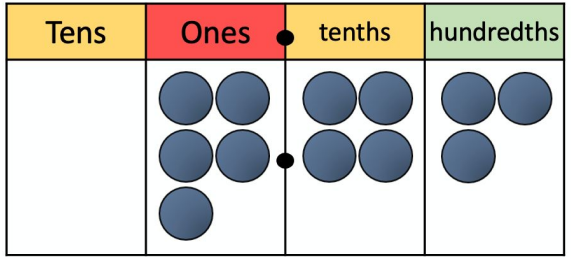
Decimals

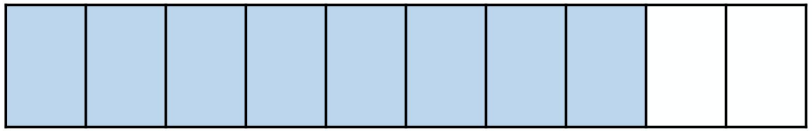


$\frac{10}{100}$

0.1







8 tenths

$\frac{8}{10}$

0.8

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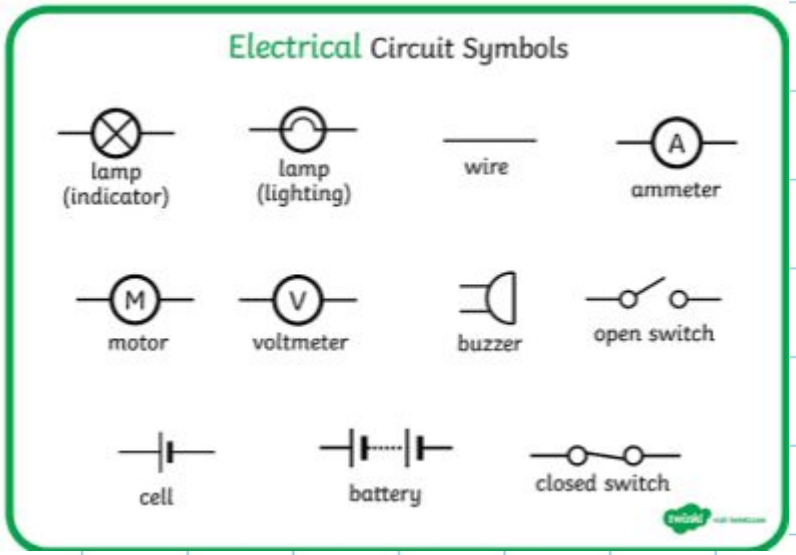
Hayes School

Year 4: Spring 2 2024

Driver Subject: DT

We shall be designing, making and evaluating a night-light, taking inspiration from our science learning. The night-light will be built with an electrical circuit that can light up a bulb which will rest within the structure. We will program a 'crumble kit' in order to create a computer operated system that can automate the light. Upon our evaluation of our night-lights we shall consider other products that could benefit from a computer operated system.



Be all you can be
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Year 4: Spring 2 2024

SCIENCE

Science this half term is going to be electric! Children will learn to identify electrical appliances, how they work, and how they can be used safely. They will explore how electrical circuits can be made to light up bulbs, drive motors or make buzzer noises. They will learn about the role of switches in a circuit and which materials can conduct electricity. Finally they will be putting this knowledge into practice when designing and making a night-light.

COMPUTING

The children will be introduced to coding. Introducing block coding, objects and actions events as well as executing a program. This term finishes with an assessment to check what students have understood.

MUSIC

This half term, the children will learn how to compose 2-, 3- or 4 beat bars of pentatonic music using paired quavers, crotchets and minims. They will also learn to read formal notation across a small range on a stave.

Be all you can be
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Year 4: Spring 2 2024

R.E

This half term, the children will be learning about Christianity and how Christians mark significant Easter events. They will make simple links between the Gospel accounts and how Christians mark the Easter events in their communities
and describe how Christians show their beliefs about Jesus in worship in different ways.

MfL (French)

Through the use of Language Angels, this term we will be learning about items in the classroom. We will look at the french vocabulary for different stationary that we use.

PSHE

This term we will be looking at everything will be alright, problem solving and resourcefulness. We end the half-term exploring thoughtfulness and discussing the use relaxation to recharge.

P.E - outdoor adventure activities

This half-term is swimming. The children will be learning water safety and building on their swimming ability.
The children will also be learning tennis skills. They will learn the basic rules of tennis and how to shoot as well as how to control a racket through a forehand stroke.