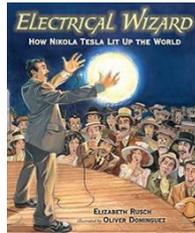
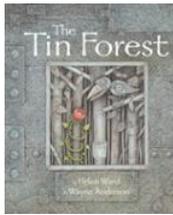
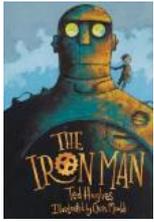


Year 4 Autumn 2: Short Circuits

Books – Class Author - Ted Hughes



PSHE



Writing Genre



Description of the tin Forest.
Description of setting in Iron man.
Narrative work based on the iron man.
Poetry
 Festive writing on Kevin the carrot. Language and vocabulary focus. (The night before Christmas link)



Biography Linked to electrical wizard.



Advert for our DT product. Possible links to a TV advert.

Science -

Physics

Electricity

- Identify and name appliances that require electricity to function.
- Construct a series circuit.
- Identify and name the components in a series circuit (including cells, wires, bulbs, switches and buzzers)
- Predict and test whether a lamp will light within a circuit.
- Know the function of a switch.
- Know the difference between a conductor and an insulator; giving examples of each.

Working Scientifically

- **Group** information according to common factors e.g. materials that make good conductors or insulators.
- Ask **questions** such as:
Why do we need to have insulators and conductors?
- Group information according to common factors e.g. materials that make good conductors or insulators.

Design Technology – Simple switches and circuits
 Make a Robot that has an electrical circuit (Group project)

Electrical systems

Technical language	Designing	Making	Evaluating
<ul style="list-style-type: none"> • Links scientific knowledge by using lights, switches or buzzers. • Use electrical systems to enhance the quality of the product. • Use IT, where appropriate, to add to the quality of the product. 	<ul style="list-style-type: none"> • Use ideas from other people when designing. • Produce a plan and explain it. • Persevere and adapt work when original ideas do not work. • Communicate ideas in a range of ways, including by sketches and drawings which are annotated. 	<ul style="list-style-type: none"> • Know which tools to use for a particular task and show knowledge of handling the tool. • Know which material is likely to give the best outcome. • Measure accurately. • Measure materials for Christmas decorations. Using cm and mm. 	<ul style="list-style-type: none"> • Evaluate and suggest improvements for design. • Evaluate products for both their purpose and appearance. • Explain how the original design has been improved. • Present a product in an interesting way.



Discrete

Computing

Digital Literacy

Use skills I have learnt across multiple application programs, including: Purplemash, Word, Publisher Powerpoint and Excel

Music

Charanga – STOP! Writing lyrics

- Sing songs from memory with accurate pitch.
- Identify and describe the different purposes of music.
- Use notation to record compositions in a small group or individually

PE

Gymnastics

Hockey

PSHE

Safe relationships

Responding to hurtful behaviour; managing confidentiality; recognising risks online.

Respecting ourselves and others

Respecting differences and similarities; discussing difference sensitively.

FRENCH –

Quelle est La Date Aujourd'hui? (What is today's date?)

- Repeat and recognise the months of the year in French.
- Ask somebody when their birthday is and say when their birthday is.
- Say the date in French
- Create a French calendar
- Recognise key dates in the French calendar.