



# THE ROBOT LABORATORY

## Maths:

Our units this half term are decimals, money and time. A detailed breakdown of the learning objectives we will cover this half term can be found [here](#).

## Science:

We will be learning about electricity.

1. Identify common appliances that run on electricity
2. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
3. 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
4. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
5. Recognise some common conductors and insulators, and associate metals with being good conductors.

## History:

We will be learning about the way of life of the Ancient Egyptians. More detail about the learning covered in history lessons can be found [here](#).

1. I know where the Ancient Egyptians fit on to a timeline
2. I know about the way of life of Ancient Egyptians (e.g. homes, clothes, food)
3. I know about the Ancient Egyptians beliefs and customs
4. I know about Ancient Egyptian 'achievements'
5. I can compare the Ancient Egyptians to other civilizations I have learnt about



KIRFS- Key Instant Recall Facts and Skills- For children to learn in school and at home!

- Ancient Egyptians lived between 7500BC and 51BC
- Egypt is hot country in North Africa with a huge river called the Nile along which the Ancient Egyptians settled
- The Ancient Egyptians worshipped thousands of deities which were central to the way they lived their lives

**Vocabulary-** Ancient civilisations Ancient Egyptians  
Egyptologist tomb sarcophagus pyramid temple

## English:

We will write an explanation text describing how we built a robot in the Robot Laboratory! We will also write a persuasive text to encourage people to buy our robot and use it in their homes.



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## P.E.

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## Computing:

Databases and handling data on spreadsheets.

1. To be able to input data into a prepared database.
2. To sort and search a database to answer simple questions.
3. To be able to recognise what a spreadsheet is.
4. To use the terms 'cells', 'rows' and 'columns'.
5. To know how to enter data, highlight it and make bar charts

## PSHE: 'Digital Wellbeing'

More information about learning covered in PSHE can be found [here](#).

1. I can identify the positives and negatives of being online.
2. I can be kind online and I can help make the Internet a safer place. I know about the Ancient Egyptians beliefs and customs
3. I know how to stay safe when communicating online and what to do if I don't feel safe.
4. I can decide how reliable online information is
5. I can identify things we shouldn't share online.

## French:

We will continue to further our knowledge of basic French vocabulary and phrases.

## Music:

More information about learning covered in Music lessons can be found [here](#).

All the learning in this unit is focused around one song: Blackbird by The Beatles - a song about civil rights. We will be:

1. Playing and copying back using up to 3 notes.
2. Singing in unison
3. Playing instrumental parts with the song by ear and using notation.
4. Improvising using up to 3 notes
5. Composing a simple melody using simple rhythms.
6. Performing and sharing our work



We will be reading Runaway Robot by Frank Cottrell-Boyce



We will visit Truro museum to support our learning on Ancient Egyptians



We will create a gallery of all our topic work to share with other classes



As well as visiting Truro, we will compare life in Egypt to life in the UK.