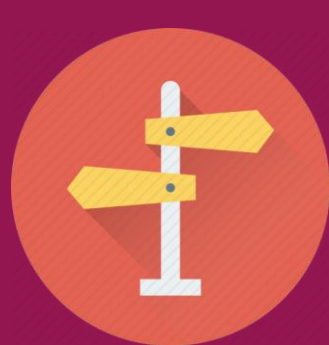


# THE JOURNEY OF LEARNING

## Curriculum concepts

Cells  
Interdependence  
Matter  
Reactions  
Forces  
Energy

## Year 8 Science



Step up to Yr9 Holiday  
independent learning project

Standards and Expectations

Year 8  
Summer  
Preparation

End of Year  
Assessment and  
DIRT

Light – how light is reflected,  
refracted and diffracted

Year 8  
Summer  
Term 2

Nutrition  
Milestone  
Assessment and  
DIRT

Drawing a line  
of best fit

Light Milestone  
Assessment and  
DIRT

Identifying  
scientific  
apparatus

Electrical Circuits: Resistance –  
the relationship between  
current, voltage and resistance

Electrical Circuits  
Milestone  
Assessment and  
DIRT

Electrical circuits – how  
electrical circuits work and are  
used

Year 8  
Summer  
Term 1

Earth Systems  
Milestone  
Assessment  
and DIRT

Earth Systems – the structure of  
the Earth and how Earth's  
resources are used and cycled.

Presenting  
data in  
tables

Life Diversity  
Milestone  
Assessment and  
DIRT

Changing substances –  
how chemical substances  
can react to form new  
substances with different  
properties

Nutrition what constitutes a  
healthy diet and how food is  
digested.

Magnetism – how  
magnetic forces interact

Changing  
Substances  
Milestone  
Assessment and  
DIRT

Identifying  
variables

Selecting  
appropriate  
methods

Mid Year  
Assessment  
and DIRT

Year 8  
Spring  
Term 2

Ambitions  
week

Magnetism  
Milestone  
Assessment  
and DIRT

Life Diversity –  
why differences  
between  
individuals is  
essential for  
survival

Year 8  
Spring  
Term 1

Respiration and  
Photosynthesis  
Milestone  
Assessment and  
DIRT

Accuracy and  
precision

Chester Zoo Conservation  
Project – In class workshops and  
visit to Chester Zoo

Movement and  
Pressure Milestone  
Assessment and DIRT

Plotting and  
interpreting line  
graphs

Drawing  
conclusions

Year 8  
Autumn  
Term 2

Respiration and Photosynthesis –  
describing these processes which  
are essential to all living organisms

Movement and Pressure  
– describing the motion  
of objects in terms of  
forces and pressure

Health and  
lifestyle?

Taking accurate  
measurements

Tissues and Organs  
Milestone Assessment  
and DIRT

Acids and Alkalis  
Milestone Assessment  
and DIRT

Using scientific  
models

Acids and Alkalis – how  
acids and alkalis react  
in neutralisation  
reactions

Tissues and organs  
– how bodies are  
organised and made  
up of different  
systems working  
together

Effects of  
recreational  
drugs

Year 8  
Autumn  
Term 1

Welcome



Summer  
holidays

Develop a thirst for  
reading



Develop a lifelong love  
of learning

Build a solid  
foundation in  
education



Careers/  
Cultural Capital

Assessment  
and Feedback

Disciplinary knowledge

RSE

PSHE / Citizenship