

# Year 8

# Science Curriculum

## Specialized Cells

Are all our cells the same? How are they specialised?



## Elements

What is an element?  
What is a compound?  
What is a mixture?

## Motion

How can we measure and describe motion?  
How can we investigate the motion of objects?



## Interdependence

How do scientists study the environment? Why is it so important? What can we do with our findings? How have humans impacted biodiversity on earth?

## Chemical Change

How can we represent chemical reactions?  
What is meant by the conservation of mass?



## Heat

What is the difference between heat and temperature? How can we reduce energy loss?

## Reproduction

What are sex cells?  
Why are they important? How do we go from embryo to adult?



## The Periodic Table

All molecules can be ordered into elements, compounds and mixtures. How do we arrange our elements? What can we tell about an element from its *group* and *period*.

## Mechanics

How do forces affect the motion of objects?  
What is a force multiplier?



## The Environment

How do scientists study the environment? Why is it so important? What can we do with our findings? How have humans impacted biodiversity on earth?

