# Science Concept Tracker

| Year 1 | Structure | Function | Variation | Adaptation | Cause & effect | Changes | Evolution | Growth | Working Scientifically | Process | Similarity & difference | Energy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Why are humans not like tigers?*** *Animals Including Humans* *Biology* | | | | | | | | | | | | |
| ***Which materials should the Three Little Pigs have used to build their house?*** *Everyday Materials* *Chemistry* | | | | | | | | | | | | |
| ***Which birds and plants would we find in Tunstall park?*** *Plants* *Biology* | | | | | | | | | | | | |
| ***Why does it get dark earlier in winter?*** *Seasonal Changes* *Biology* | | | | | | | | | | | | |
| **Year 2** | | | | | | | | | | | | |
| ***What is our school made of?*** | | | | | | | | | | | | |

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| *Changing Materials Chemistry* | | | | | | | | | | | | |
| ***How will eating '5-a-day' help me to be healthy?*** Animals including Humans Biology | | | | | | | | | | | | |
| ***Why would a dinosaur not make a good pet?*** Living Things and their Habitats Biology | | | | | | | | | | | | |
| ***How can we grow our own salad?*** Plants Biology | | | | | | | | | | | | |
| | **Structure** | **Function** | **Variation** | **Adaptation** | **Cause & effect** | **Changes** | **Evolution** | **Growth** | **Working Scientifically** | **Process** | **Similarity & difference** | **Energy** |
| **Year 1/2 Cycle A** | | | | | | | | | | | | |
| ***Why are humans not like tigers? Animals including humans*** AIH/Biology/ Aut1+2/ Biology/Y1 Objectives | | | | | | | | | | | | |
| ***Which materials should the Three Little Pigs have*** | | | | | | | | | | | | |

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| ***used to build their house?*** Everyday Materials/ Chemistry/ Spr1/Y1 Objectives | | | | | | | | | | | | |
| ***What is our school made of?*** Changing Materials /Chemistry/Spr2/Y2 Objectives | | | | | | | | | | | | |
| ***How will eating '5-a-day' help me to be healthy?*** AIH/Biology/ Sum1+2/Y2 Objectives | | | | | | | | | | | | |
| **Year 1/2 Cycle B** | | | | | | | | | | | | |
| ***Why would a dinosaur not make a good pet?*** Living things and Their Habitats LTH/Biology/ Aut1+2/Y2 Objectives | | | | | | | | | | | | |
| ***Which birds and plants would we find in Tunstall park?*** Plants/ Biology/ Spr1+2/Y1 Objectives | | | | | | | | | | | | |
| ***How can we grow our own salad?*** Plants/ Biology/Sum1/Y2 Objectives | | | | | | | | | | | | |

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| ***Why does it get dark earlier in winter?*** Seasonal Changes/ Biology/Sum2/Y1 Objectives | | | | | | | | | | | | |
| **Year 3** | **Structure** | **Function** | **Variation** | **Adaptation** | **Cause & effect** | **Changes** | **Evolution** | **Growth** | **Working Scientifically** | **Process** | **Similarity & difference** | **Energy** |
| ***How can Usain Bolt move so quickly?*** AIH/Biology/ | | | | | | | | | | | | |
| ***What do rocks tell us about the way the Earth was formed?*** Rocks/ Chemistry/ Aut2/Y3 Objectives | | | | | | | | | | | | |
| ***How did that blossom become an apple?*** Plants/Biology/Sum1 +2/Y3 Objectives | | | | | | | | | | | | |
| ***What is attraction?*** Forces + Magnets /Physics/ Spr1/Y3 Objectives | | | | | | | | | | | | |
| ***How far can you throw your shadow?*** Light/Physics/ Sum1+2/ Y3 Objectives | | | | | | | | | | | | |

| Year 4 | Structure | Function | Variation | Adaptation | Cause & effect | Changes | Evolution | Growth | Working Scientifically | Process | Similarity & difference | Energy |
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| ***What happens to the food we eat?*** AIH/Biology/ Spr1/Y4 Objectives | | | | | | | | | | | | |
| ***Which live plants and animals thrive in your locality?*** LTH/Biology/ Spr2/Y4 Objectives | | | | | | | | | | | | |
| ***How could we cope without electricity for one day?*** Electricity/Physics/ Aut1/Y4 Objectives | | | | | | | | | | | | |
| ***Why is the sound that 'One Direction' makes enjoyed by so many?*** Sound/Physics/ Aut2/Y4 Objectives | | | | | | | | | | | | |
| ***How would we survive without water?*** States of Matter /Chemistry/ Spr2/Y4 Objectives | | | | | | | | | | | | |
| **Year 3/4 Cycle A** | | | | | | | | | | | | |
| ***How can Usain Bolt move so quickly?*** AIH/Biology/ Aut1/Y3 Objectives | | | | | | | | | | | | |

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| ***What do rocks tell us about the way the Earth was formed?*** Rocks/ Chemistry/ Aut2/Y3 Objectives | | | | | | | | | | | | |
| ***What happens to the food we eat?*** AIH/Biology/ Spr1/Y4 Objectives | | | | | | | | | | | | |
| ***Which live plants and animals thrive in your locality?*** LTH/Biology/ Spr2/Y4 Objectives | | | | | | | | | | | | |
| ***How did that blossom become an apple?*** Plants/Biology/Sum1 +2/Y3 Objectives | | | | | | | | | | | | |
| **Year 3/4 Cycle B** | | | | | | | | | | | | |
| ***How could we cope without electricity for one day?*** Electricity/Physics/ Aut1/Y4 Objectives | | | | | | | | | | | | |
| ***Why is the sound that 'One Direction' makes enjoyed by so many?*** Sound/Physics/ Aut2/Y4 Objectives | | | | | | | | | | | | |
| ***What is attraction?*** Forces + Magnets | | | | | | | | | | | | |

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| /Physics/ Spr1/Y3 Objectives | | | | | | | | | | | | |
| ***How would we survive without water?*** States of Matter /Chemistry/ Spr2/Y4 Objectives | | | | | | | | | | | | |
| ***How far can you throw your shadow?*** Light/Physics/ Sum1+2/ Y3 Objectives | | | | | | | | | | | | |
| | **Structure** | **Function** | **Variation** | **Adaptation** | **Cause & effect** | **Changes** | **Evolution** | **Growth** | **Working Scientifically** | **Process** | **Similarity & difference** | **Energy** |
| **Year 5** | | | | | | | | | | | | |
| ***Will we ever send another human to the moon?*** Earth & Space/ Physics/Aut1 | | | | | | | | | | | | |
| ***Could you be the next CSI investigator?*** Properties and Changes of Materials/ Chemistry/Aut2+Spr1 | | | | | | | | | | | | |
| ***Can you feel the force?*** Forces/Physics/ Spr2 | | | | | | | | | | | | |

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| ***Do all plants and animals start life as an egg?*** LTH/Biology/ Sum1 | | | | | | | | | | | | |
| ***How different will you be when you are as old as your grandparents?*** AIH/Biology/ Sum2 | | | | | | | | | | | | |
| **Year 6** | | | | | | | | | | | | |
| ***Could Spiderman really exist?*** LTH/Biology/ Aut1 | | | | | | | | | | | | |
| ***Have we always looked like this?*** Evolution and Inheritance /Biology/Aut2 | | | | | | | | | | | | |
| ***How can you light up your life?*** Light/Physics/Spr1 | | | | | | | | | | | | |
| ***Could you be the next Nintendo apprentice?*** Electricity/Physics/ Spr2 | | | | | | | | | | | | |
| ***What would a journey through your body be like?*** AIH/Biology/ Sum1+2 | | | | | | | | | | | | |