

### English

To draw on and improve our knowledge of a wide variety of sentence lengths and structures, including complex sentences, and apply it to our own writing.

To demonstrate our knowledge of formal and informal writing and use this to write letters for Amnesty International  
To use figurative language and develop our understanding of poetry

### Science

To understand what DNA is  
To understand the difference between phenotypes and genotypes.

To know about dominant and recessive genes  
To complete punnet squares  
To understand what traits are inherited

### Music

To understand musical structures, styles, genres and traditions, identifying the expressive use of musical dimensions

To identify and use the inter-related dimensions of music expressively, including use of tonalities, different types of scales and other devices

### Computing

To understand copyright law  
To use images to create a short video

To edit and improve  
To add music or sound effects  
To use titles and credits  
To evaluate their work

### PSHCE

To understand the Brantridge way  
To play games and take turns  
To follow rules  
To cooperate

## Genetics and evolutions



Neptune Topic Web - Spring Term 2017

### Geography

To understand adaption and how the Earth has developed over time.  
To understand about Pangea and how the continents changed  
To understand plate tectonics  
To know about global warming

### Maths

To develop our knowledge or addition, subtraction, multiplication and division strategies.

To solve problems  
To identify equivalent fractions, decimals and percentages.  
To draw shapes accurately.  
To use a protractor.  
To solve algebraic equations.

### PE

to develop team work. To develop leadership and co-operation skills.  
To develop knowledge, skills and understanding of basketball.

### RE:

To develop a mutual respect for others  
To understand different views on creation  
To understand alternative views

### Art and DT

To learn about portraits.  
To create self-portraits  
To create portraits of others.  
To experiment with different materials.  
To comment on their own and other's work.

### Forest school:

To work as part of a team.  
To build items out of nature  
To keep a journal of our exploits.  
To understand how to be safe in the outdoors.  
To use tools safely.

### History

To understand the theory of evolution  
To know who Darwin and other key scientists were.  
To know how life on earth has developed  
To know about how animals and plants have adapted  
To understand why Darwin kept his theory quiet for so long