

## GRWW1 4e Blackberry and Horse Chestnut Science

### 1. Blackberries

- Research blackberries to see what you can find out about them.
- Draw a diagram and name the main parts of the plant and also of the blackberry itself.
- Find some blackberry bushes and make drawings of the main parts of the plant.
- Investigate where blackberry plants grow.
- Research what animals eat blackberries.
- Draw a simple food web about the Blackberry and its relationship with animals.

### 2. Horse Chestnuts

- Research Horse Chestnut trees to see what you can find out about them.
- Research and present a short history of the game of conkers.
- Draw a diagram to name the parts of the tree and the fruit.
- Research what animals eat Horse Chestnuts and create a simple food web about the Horse Chestnut tree and its relationship with animals.
- Conkers were used in the munitions industry because they could be used to make the chemical **acetone**, which in turn was used to make explosives. What can you discover about acetone?
- Conkers were chosen because they were high in **starch**. What can you discover about this chemical?
- In WW1, acetone was made by using an industrial fermentation process employing special bacteria. Research **fermentation** - can you find what everyday things employ fermentation in their manufacture?