

Yr 6 - Autumn 1: Animals including Humans

Things to include each half term:

- 1 x active learning
- 1 x outdoor science lesson
- 3 x experiments/investigations
- 1 x child-led investigation
- 3 x examples of working scientifically

Science display:

- key vocabulary linked to animals including humans
- Photos of experiments/investigations
- Post-it notes of children's predictions and findings

Science Adventure Medium Term Planning

Lesson 1 (KWL grid)

- Human circulatory system - (active learning) Journey of blood cells
- Take photos and children annotate in books
- Diagram of the human circulatory system
- Look at a sample of blood under microscope
- Children to draw with pastels and annotate

Lesson 5

- Diet and impact on body
- Children draw around each other on playground with chalk (outdoor learning) and add impact of a bad diet in the right part of the body
- Discuss the role of a healthy diet and exercise
- Children draw a poster to show a person with a healthy diet (and why this is important) and a person with an unhealthy diet

Lesson 2

- How does the heart work?
- Study parts of the heart (use 3D model on IWB)
- Short reading comprehension about the heart
- Make edible heart diagram.
- Photograph and annotate in books

Lesson 6

- Negative impact of smoking
- Children to find effects of smoking hidden around the room (active learning)
- Children to investigate which is the worst side effect according to other pupils.
- Children to create a tally chart to collect data and a bar chart to show their results.

Lesson 3

- What happens to the heart when we exercise? (Outdoor lesson)
- Child-led investigation: pupils to observe how pulse changes after a variety of exercises; they could also investigate how long it takes to recover and return to their resting heart rate.
- Children to make prediction and write about the variables they will change and keep the same
- Record results in a table, then plot results on line graph
- Write a conclusion and evaluation

Lesson 7

- Impact of alcohol on the body
- Ask: Why do people drink alcohol?
- Discuss why there are daily limits for adults
- Children sort long and short term impacts on the body (active learning)
- Organise effects into a Venn diagram

Lesson 4

- Healthy and balanced diet
- Sugar in drinks investigation
- Boil variety of pop and juice
- Children to make predictions of how much sugar will be in each drink.
- Weigh the sugar that is in the boiled down version and draw conclusions about which is the least healthy drink and why.
- Create a 3 course set menu of healthy food

Lesson 8

- Drugs and the impact on the body
- Children given names of drugs, including legal, prescribed and illegal and sort into three sections.
- Complete a reading comprehension on drugs.
- Children given a specific drug and create a diagram of a human body with annotations to show the effects.
- Low stakes test
- Refer back to KWL