

## Maths

What real world uses does maths have at a zoo?

Year 7-9

### Learning Outcomes:

At the end of the session:

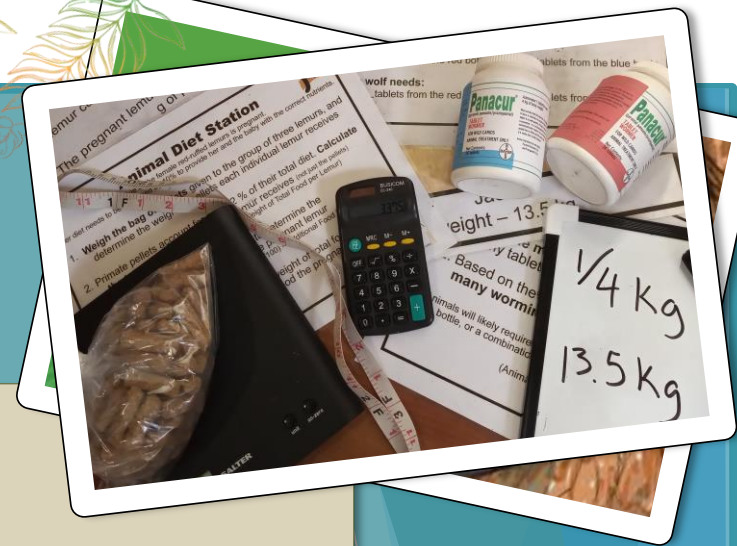
- ✓ **All students** will use maths in unique and creative ways, involving objects and animals, which will inspire and engage them
- ✓ **Most students** will realise there is more to maths than taking exams and that maths is essential to a range of real world jobs
- ✓ **Some students** will challenge themselves and recognise the link between theoretical maths from the classroom and its broader, far-reaching applications and uses in the real world

### Session Outline:

Students are divided into five groups to rotate through stations focused on real-world zoo math. At each station, they solve math questions using provided information and materials. The stations cover: animal diet (calculating percentage changes in food), vet (calculating medicine dosages based on animal weights), tortoise enclosure (calculating size requirements), and wildlife crime (one part calculating area/volume, and another converting currencies).

Please note, if requested beforehand, a challenge version of these stations can be used with more complex calculations required.

Please note, no live animals are used in this session.



### Curriculum Links

#### Maths:

Develop fluency  
Reason  
Solve problems  
Number  
Geometry  
Measures  
Statistics