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 who rotate around five different maths stations relating to real world zoo maths. At each station, they are self-directed to solve a maths question using the information and items supplied at each station. Stations include: animal diet (calculating percentage changes in food), vet (calculating medicine dosages based on animal weights), wildlife crime (converting currencies, and area/volume measurements), tortoise enclosure (calculating the size required to house tortoises based on measurements), and cockroach racing (timing and calculating speeds and averages).

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