

# STEM @ the Zoo

Science, tech, engineering and maths in the real world

Year 5-6

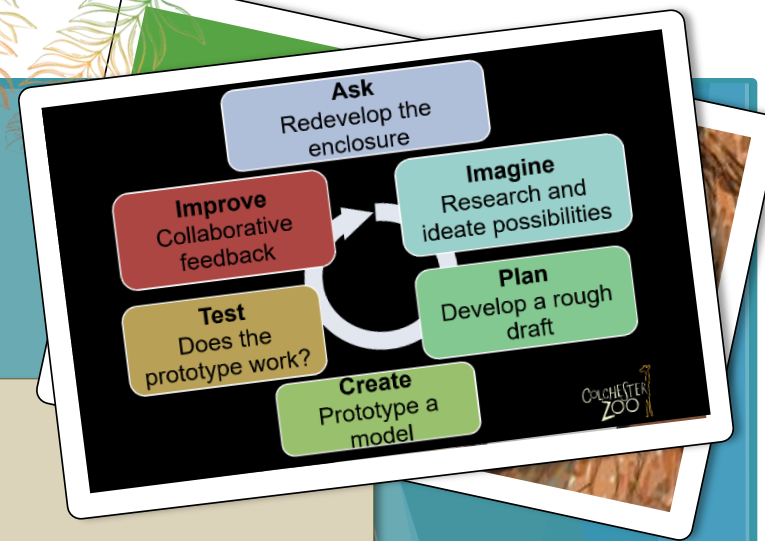
### Learning Outcomes:

At the end of the session:

- ✓ **All students** will be aware of some real-world applications of STEM
- ✓ **Most students** will understand the importance of evaluation and considering user needs during the STEM Design Process
- ✓ **Some students** will gain awareness of potential career pathways

### Session Outline:

The session begins with an introduction to zoo keeping roles, including requirements and various entry routes. It covers the importance of STEM in nutrition, animal health monitoring, and environment maintenance. Students will then explore how zoos use the STEM design process in creating enclosures through an interactive activity, assessing and improving an enclosure prototype. The session concludes with how zoos use STEM to save endangered species, including genetic analysis and conservation technology.



### Curriculum Links

Careers

Science

working scientifically

evolution & inheritance

Design & Tech:

design  
evaluate

Citizenship