End Points
Year 5 – Monitoring devices

What I know and can explain

- To know that a 'device' means equipment created for a certain purpose or job and that monitoring devices observe and record.
- To know that a sensor is a tool or device that is designed to monitor, detect and respond to changes for a purpose.
- Researching (books, internet) for a particular (user's) animal's needs.
- Developing design criteria based on research.
- Generating multiple housing ideas using building bricks.
- Understanding what a virtual model is and the pros and cons of traditional and CAD modelling.
- Placing and manoeuvring 3D objects, using CAD.
- Changing the properties of, or combining one or more 3D objects, using CAD
- Explaining how plastic is affecting planet Earth and suggesting ways to make more sustainable choices.
- Explaining key functions in my program (audible alert, visuals).
- Explaining how my product would be useful for an animal carer including programmed features

Useful vocabulary

alert
ambient
consumables
device
lightweight
manipulate
microplastics
monitor
moulded

replica
Sensor
sustainability
synthetic
thermometer
versatile
water-resistant