

YEAR 7

Independent learning to be completed during school closure

DT

During a two week period you would ordinarily have:

2-3 DT lessons

Lesson 1 – RESEARCH

1. Research the following topic: **Inventions for Pets**
2. Watch this video on about a Zoo in Japan, and their own invention to help move Guinee pigs: <https://www.youtube.com/watch?v=bq9ghmgqoyc> (apologies if the song gets stuck in your head)
3. Do your own research on the internet looking at different inventions for pets. You could choose to research different pet access products (such as a car ramp for dog) or even Pet entertainment (such as a motorised ball launcher)?
4. If you have access to Power-point create a presentation of what you have discovered. If you don't, try making notes and diagrams of your research on a sheet of A4 paper.

Lesson 2 & 3 – Design

Thinking about the research you have been doing, produce an A4 page showing your design for your own pet product. This could be aimed at any pet or for any activity!

Remember your designs should include the following:

- Explain what your product does, Does it move, what are its functions?
- Try and draw your design in both 2D and 3D Isometric
- Add colour to enhance your design
- Label all of the main features
- Use Thick & Thin line enhancement
- Think about what type of technology product use? Pressure sensor? Motion sensor?

When you have finished send your work to me either by attaching the file to an email or taking a photo of your design and emailing that.

Mr Johnson, DT Teacher – Create

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