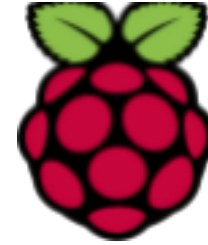


# Year 8 Computing Technology Homework



This term in Computing Technology our focus is a **Raspberry Pi** design challenge. The theme is all about **sustainability**! We're challenging you to think how you could use the Raspberry Pi - a credit-card-size yet highly capable computer - to invent something that will help 'improve the planet'.

Previous ideas included a bin that automatically recycled paper. The main threats to our planet centre around energy use, food production and scarcer resources. So we're interested in inventions that could help meet those challenges.

It is expected that if you choose this enrichment homework, you will include:

- A detailed description of your design idea
- A labelled sketch of what the design idea may look like
- A list of additional devices you may need to connect to and programme the Raspberry Pi e.g. LEDs, Camera, Motors etc..

You do not need to physically create the idea - just think, record your idea and share it!

