**Design Brief: Little Penguin**

|  |  |
| --- | --- |
|  | **1. Understand – research and ask questions** |

**User:**

I’m Liz and I’m a zoo keeper at Melbourne Zoo. My job is to care for the Little Penguins and make sure they have good health.  
My team and I use ‘enrichment’, which helps penguins to use their senses, move their bodies and behave in natural ways.

**Challenge:**

Liz needs new enrichment ideas for a Little Penguin.

**Your design for Liz needs to** **help a Little Penguin to do at least one of these things:**  
a. use its senses e.g. smell, touch, taste, see, hear  
b. move in natural ways  
c. behave in natural ways

**Your design for Liz also needs to:**

* Survive the weight and strength of a Little Penguin
* Be safe for Liz to use
* Be made of a material that isn’t toxic
* Be cheap to build

|  |  |
| --- | --- |
|  | **2. Ideate – brainstorm solutions**  Create a list of design ideas to solve the challenge and choose one to try. |
|  | **3. Prototype – build your design**  Build a prototype so that you can show your design to other people. |
|  | **4. Test and Refine – test and improve your design**  Ask people what they think about your design and then improve it. |
| **Share Your Design**  If you would like to share your design with Zoos Victoria, you can upload a video to YouTube and it will be added to the playlist for other people to see. | |