



# Design and Technologies

## Environmental Characteristics

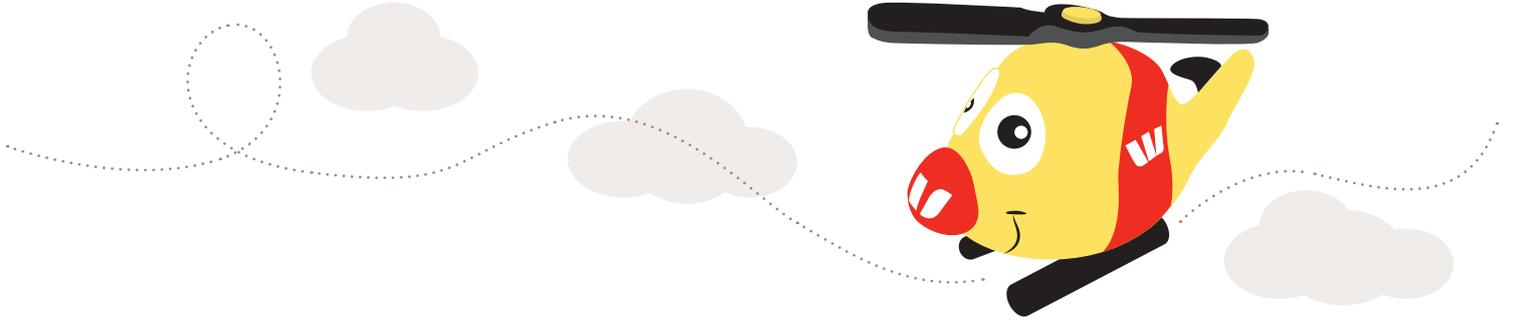
Time recommended: 1 hour  
Foundation, Year 1 and Year 2

Strand:	Design and Technologies Knowledge and Understanding
---------	---

Explore the characteristics and properties of materials and components that are used to produce designed solutions (ACTDEK004)



Name: \_\_\_\_\_



# Environmental Characteristics

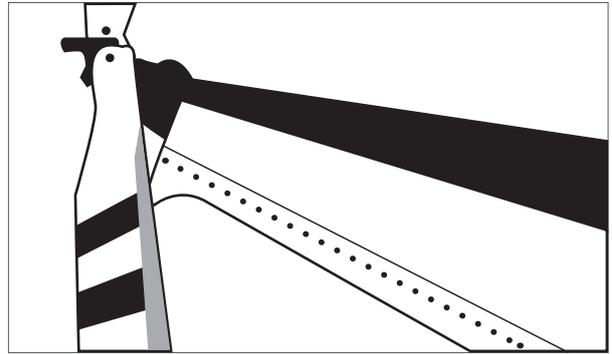
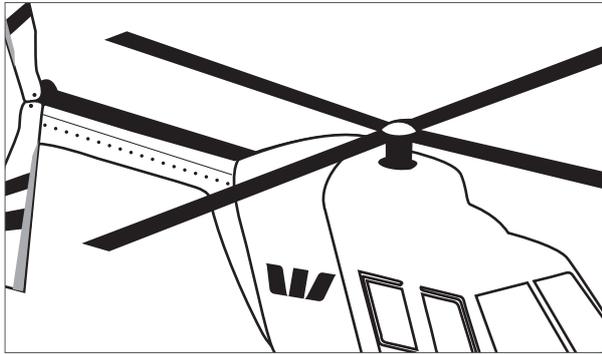
After watching video 1 'The Crew', complete the below questions.

## TASK ONE:

The Recuse Helicopter has many moving parts to fly in the sky.

Below are two parts that are needed to make the helicopter fly.

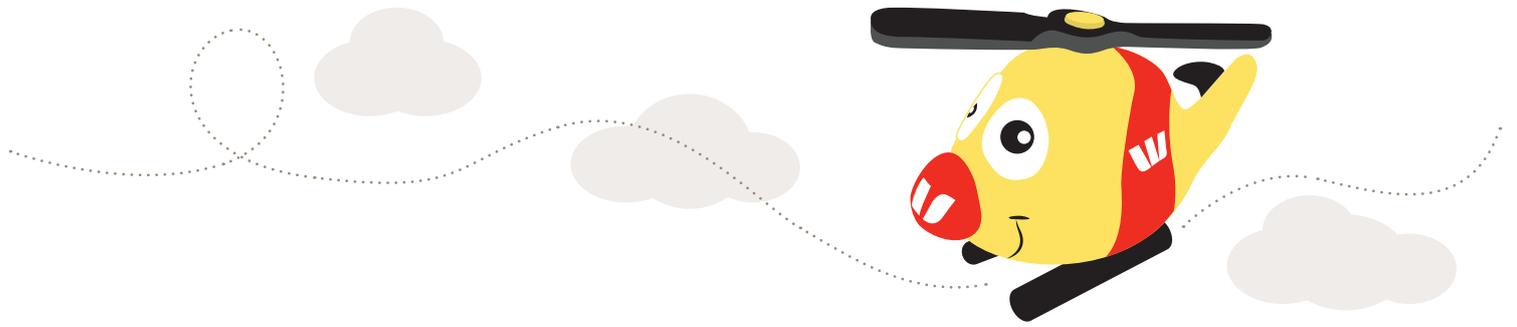
Write the names of the two parts shown below.



\_\_\_\_\_

\_\_\_\_\_





**TASK TWO:**

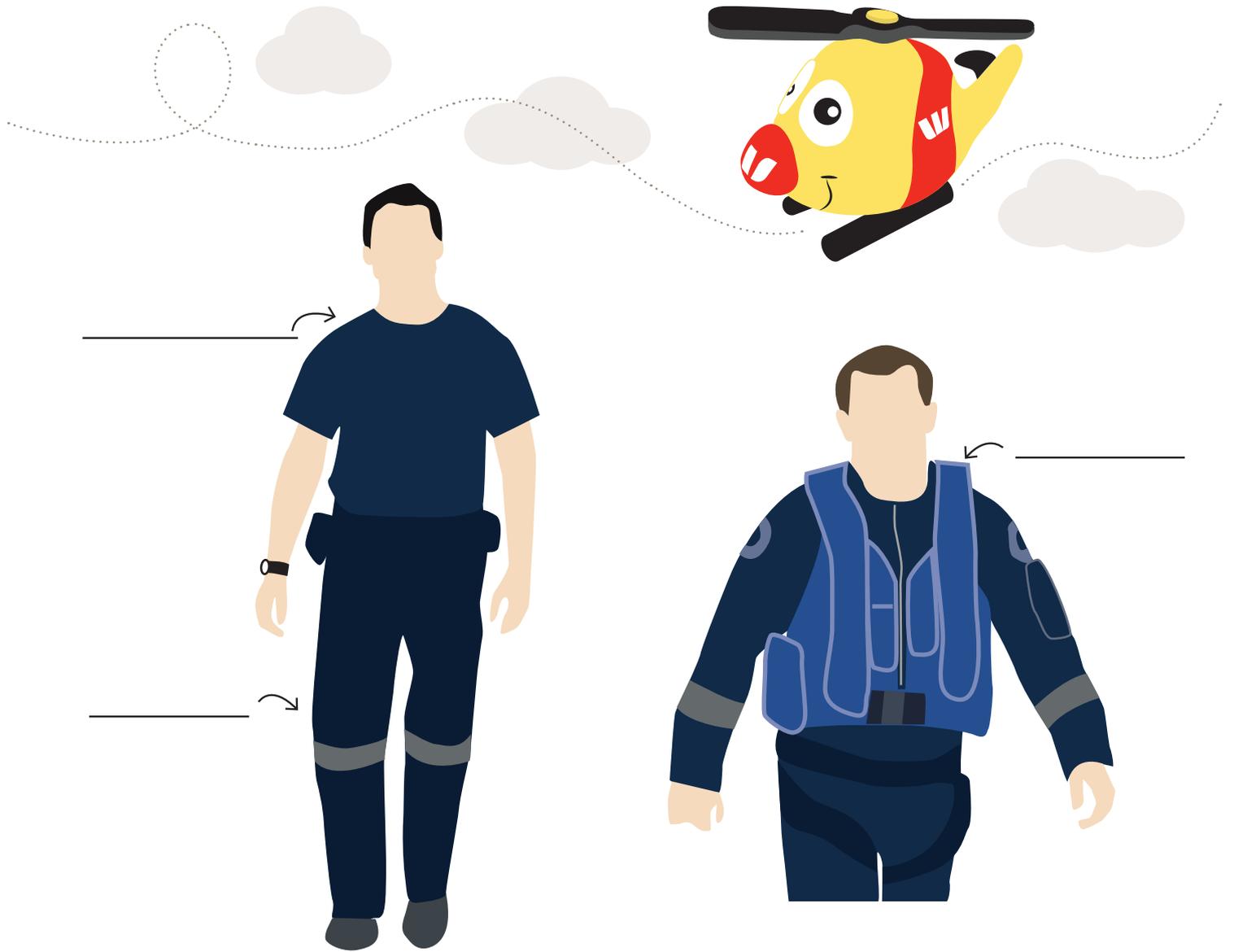
After watching Video 1, 'The Crew', we learned that there are three crew members. These are:

1. Pilot
2. Air Crew Officer
3. Rescue Crew Officer

In the video the Rescue Crew Officer wears a different outfit to the Pilot and the Air Crewman when they are on a mission.

On the line next to each picture, write the name of each part of the outfits?





**TASK THREE:**

Now that you have written down the different parts of the outfits used for different missions, discuss why and how the outfits are different and list the main differences between each outfit piece.

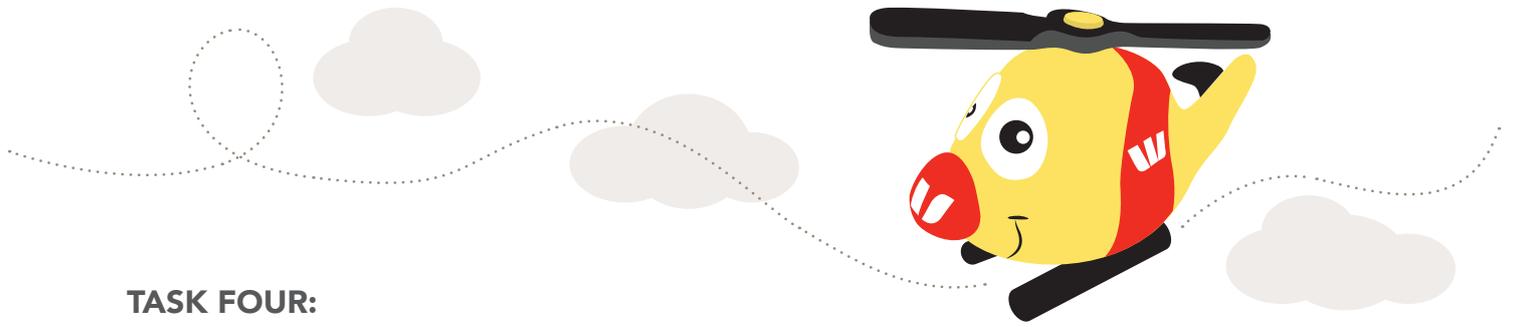
---

---

---

---





**TASK FOUR:**

Every day the Westpac Lifesaver Rescue Helicopter Service come across problems in the base that need to be fixed.

This can be as simple as a bed for the Crew to sleep at night, or to fill the helicopter with fuel when it's empty.

Draw a line from each problem listed below to a solution that can fix it.

**PROBLEM / NEED**

**SOLUTION**

Nowhere to put the pilot's backpack from home

The Hangar space

Someone who has trouble walking, getting into the Base

A small outdoor car park outside the Base

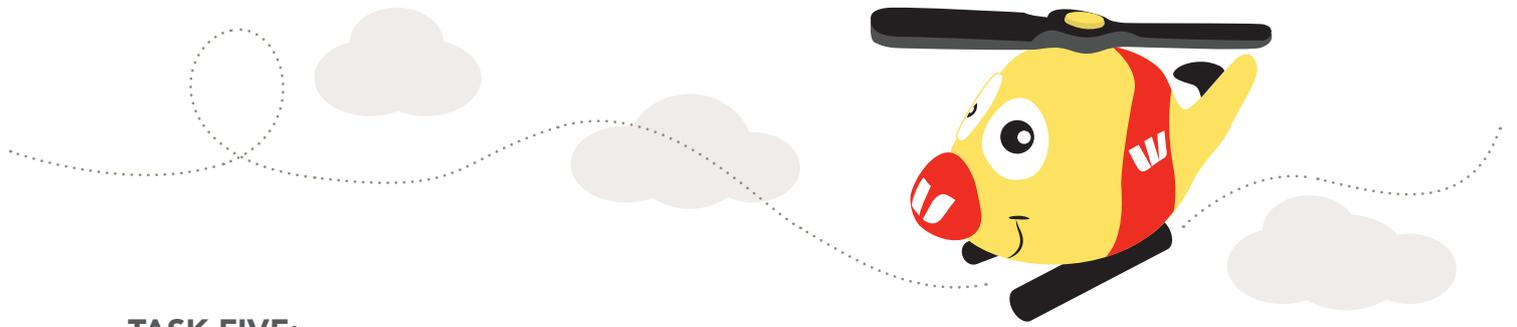
Lots of cars in traffic trying to get into the base

Lockers for putting things in from home

Helicopter in the rain

A ramp on entry to the front door to the base





**TASK FIVE:**

Find the area and the land around your local Westpac Rescue Helicopter Base on Google Maps.

List three different ways reach your local Base.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

CLUE: Look at the items below.

