Science

It's alive! Things that are alive and things that are not

Time recommended: 1 hour
Year 3 and 4

Strand:	Science Understanding
Descriptor:	Biological Sciences
Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044)	
Strand:	Science Understanding
Descriptor:	Chemical Sciences
Natural and processed materials have a range of physical properties; These properties can influence their use (ACSSU074)	

Name: _____

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Watch video 3, 'The Mission' and respond to the below questions.

On missions, the Westpac Lifesaver Rescue Helicopter Crew often have to rescue people in need. Sometimes it is just one person and other times it can be a few people that might be injured or need help.

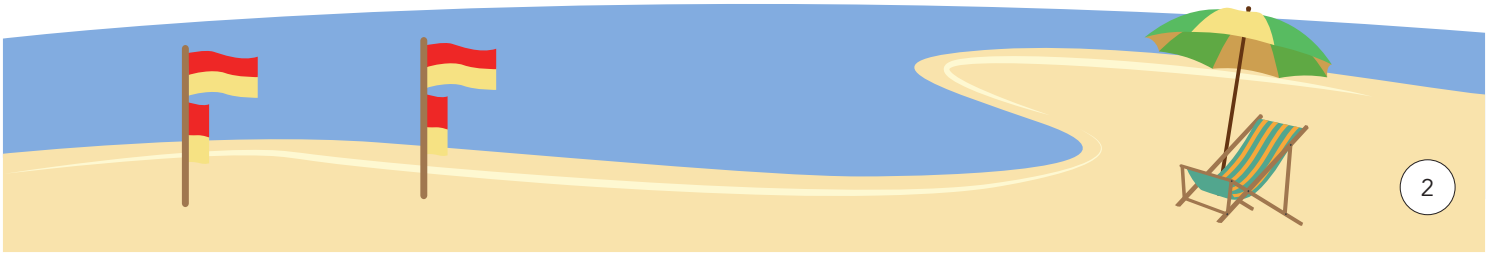
An important part of the Rescue Crew Officer's role is to be able to decide quickly which living things need help first. This is more often a person, but may sometimes be an animal.

TASK ONE:

The Rescue Crew Officer will choose the most injured person, or the person that is the most unsafe in the situation, and assist them first.

1. Watch 'The Mission' video and write a list of all the living and non-living things you saw.

LIVING THINGS:	NON-LIVING THINGS:
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____



2. For each thing you have listed, describe how you can identify it as a living thing or a non-living thing.

   LIVING THINGS: _____

   _____

   _____

   _____

   _____

   NON-LIVING THINGS: _____

   _____

   _____

   _____

   _____

3. In groups of four, discuss the differences between the things below. Write the differences.

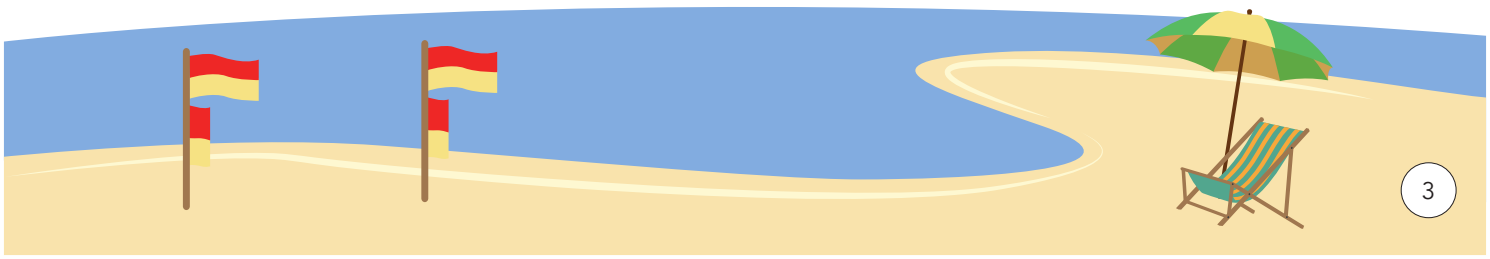
   - Living things
   - Once living things that are now dead
   - The products (things left behind) of living things, for example bones and fossils

   _____

   _____

   _____

   _____



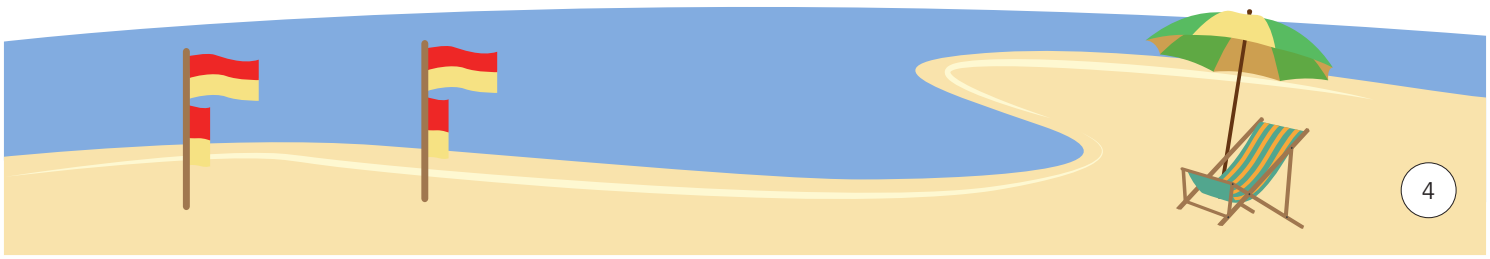
TASK TWO:

Non-living things are also a big part of the Crew's day. Without the non-living helicopter, they would not be able to help living people!

There are many non-living things around the Base, from the metal used to build the helicopter to the sunshine that is used to create solar power for the Base.

1. Using the table below, list eight common materials you saw in the video that are used around the Base and what they were used for
2. In the table below, describe the properties of your eight materials. Are they heavy, cold, wet, rough, etc? Once you've filled in these, add to the table a description of the material.

MATERIAL	USE	PROPERTIES

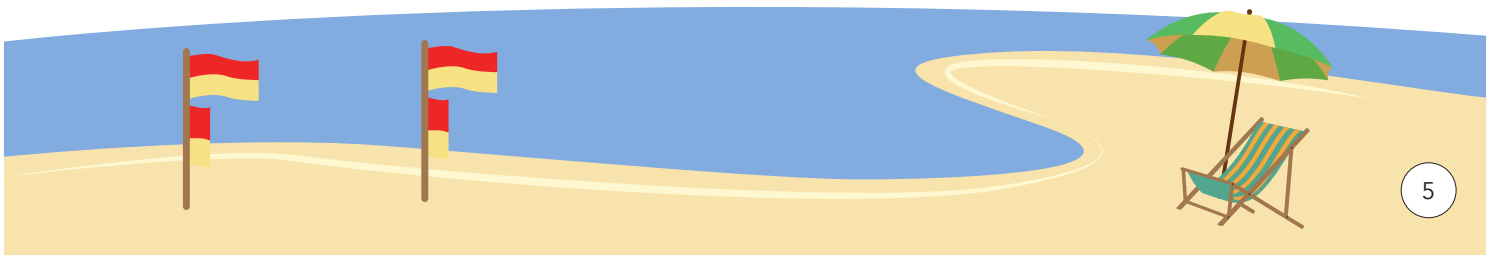


TASK THREE:

1. If you were to build your own Rescue Helicopter Base in your town, what materials would you need?

   CLUE: Think about the entire process, from the initial building of the Base through to when you need to take off on a mission with your Crew.

2. Make a list of the things you would need to think about when using your chosen materials, and how they might affect the environment in a positive or negative way



3. Which of your listed materials are recyclable and which are not?

RECYCLABLE	NON-RECYCLABLE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____