

Caritas Aotearoa New Zealand



Climate Change Detective Leaders notes



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You Will Need:

Climate treasure hunt team sheet, one per team
Eco-friendly shopping bags
Yellow circles cut out to represent the sun
World map – stick up/lay out somewhere
Silver/grey cardboard tornado cut-out
Pretend first aid box with visible code 1829AAP
Prize for the winning team

You will need to take some time to set up the space for your treasure hunt.
This game assumes that students have a basic knowledge of climate change and its causes.

Preliminary lessons and a powerpoint can be found on the website of CAFOD; the United Kingdom equivalent of Caritas.

Treasure hunt clues, tasks, questions and answers

Task 1: What is the main cause of climate change?

Find the answer to this question and the next clue under the toy car.

Card taped on the underside of the toy car reads 'Burning of fossil fuels (petrol, oil, etc) is a major cause of climate change.'

Find the 'first aid box' and write down the number/code on the box.

Answer: 1829AAP (open the box to find task 2)

Task 2: On average, every person in New Zealand uses seven times the amount of carbon as someone in a Pacific island nation.

Find a very large footprint and a small one to symbolise the difference in carbon foot prints.

Task 3: Caritas and 350.org are working with communities across the globe to prepare for and adapt to the effects of climate change. This is a race against the clock.

Collect a watch from someone in your team (or an adult) and put it in your bag.

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Task 4: Across Africa and Asia more frequent and longer droughts and unpredictable rainfall patterns are threatening people's survival.

Pick up a 'bottle' from the water supply.

Task 5: Unscramble the following two Pacific countries that are affected by rising sea levels:
TIKIIBAR LUUTVA

Answer: Kiribatiw, Tuvalu

Task 6: The Tokelau Islands is the first nation to become completely dependent on solar power for all their electricity needs.

Find a yellow disc to symbolise the energy source of the sun.

Task 7: Cycling is a good alternative to using cars. Bikes don't create any carbon emissions.

Add up the total number of bikes owned by the families of the people in your group.

Task 8: All over Asia and the Pacific communities are living with devastating consequences of more frequent floods, cyclones, river erosion and rising sea levels. What is a cyclone?

Answer: If students mention any of the following, award a point: A large and violent storm. Normally high winds rotate about a calm centre. Other words for cyclone include hurricane, typhoon, and tropical storm.

Task 9: The Indonesian island of Aceh, still recovering from the 2004 Boxing Day tsunami, faces the threat of regular flooding as sea levels rise. Was the tsunami caused by climate change?

Answer: No. Tsunamis are caused by undersea earthquakes, not by climate change.

Task 10: Caritas partners in Cambodia and the Philippines are educating poor communities about organic farming techniques. They hope that new gardening methods will make the people able to grow their own food even if the weather is changing.

Collect a piece of fruit from the bowl.

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Task 11: As a result of climate change, areas such as Central America and the Pacific will experience more and more tropical storms and hurricanes.

Find the silver/grey storm symbol and bag it.

Task 12: Complete the names of the three countries in Central America:

EL S _ _ _ _ D _ _ HON _ _ _ _ _ NIC _ _ A _ U _

Answer: El Salvador, Honduras, Nicaragua

Task 13: Several low-lying Pacific islands are under threat from rising sea levels.

Name one of the Pacific nations that is at risk.

Answer: Any one of the following island groups; Tonga, Tokelau, Tuvalu, Kiribati, Marshall Islands, Federated States of Micronesia, Palau

Task 14: An environmental approach to building is increasingly being used. Think of two ways we can make our homes more environmentally friendly.

Answer: Put insulation in ceiling and walls, turn off electrical appliances rather than leaving them on standby, get solar panels...

Checklist of items

At the end of the treasure hunt, each team should have in its bag:

- Large footprint
- Small footprint
- One watch
- Bottle of water
- Yellow disc
- Fruit
- Silver/Grey storm symbol

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Clues



Taped to underside of car – Task 1

Burning of fossil fuels causes climate change. Fossil fuels include petrol, oil and gas.

Find the first aid box and write down the number/ code on the box.

Inside the box – Task 2

The average person in NZ uses 7 times more carbon a year than the average person in the Pacific Islands.

Find a very large footprint and a small one to symbolise the difference in carbon foot prints.

Positioned near the tap or pretend water supply-Task 5

Unscramble the following two Pacific nations that are affected by rising sea levels.

TIKBRAI VUUALT