



Abbey Community College, Boyle, Co. Roscommon

S.O.S. Team



Save Our Seas...from Ocean Acidification Disease



Our One Good Idea

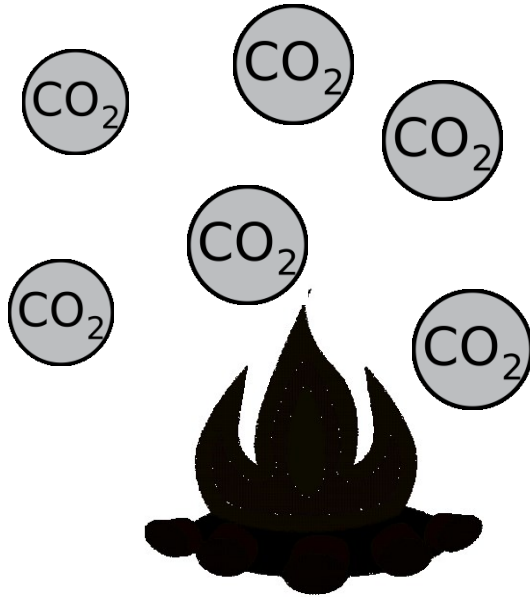
To raise awareness about the ‘twin evil’ of climate change....

Ocean acidification

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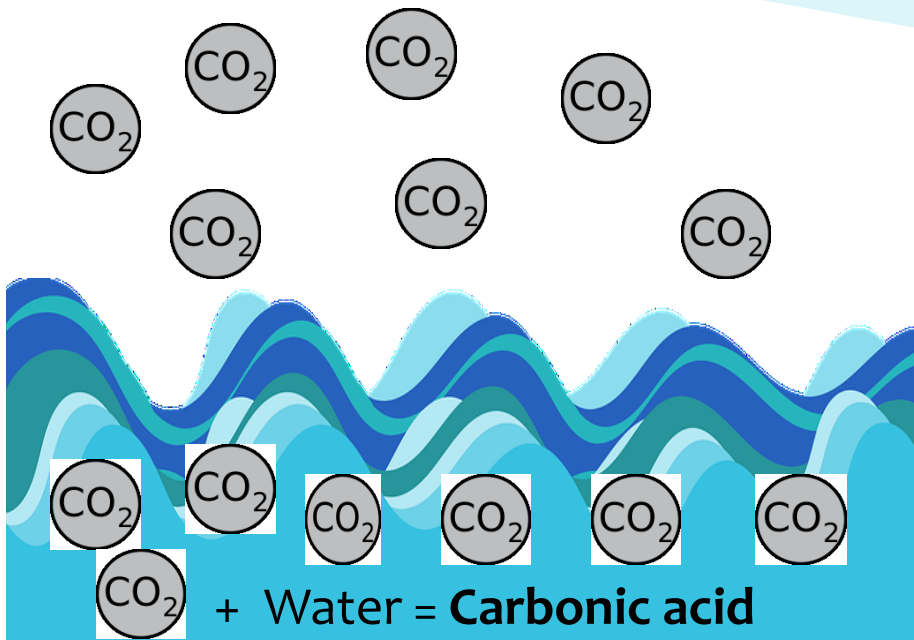
What Is Ocean Acidification?



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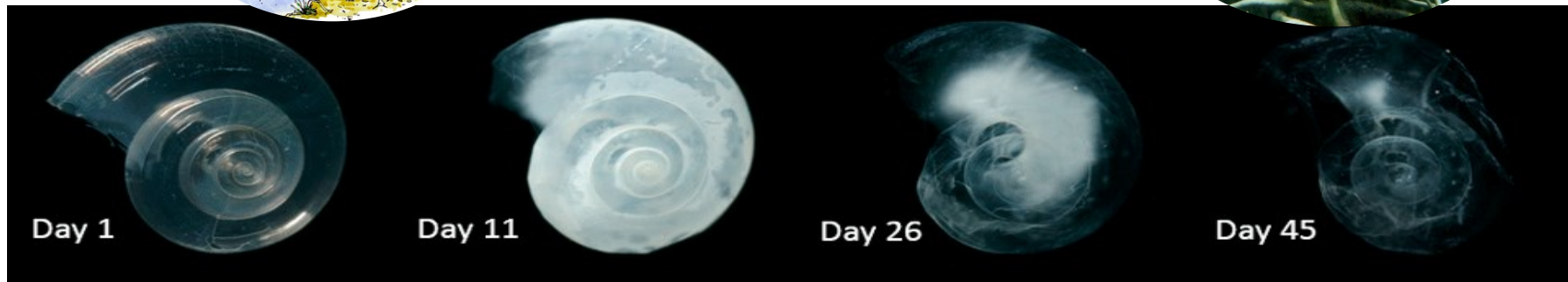
Newsflash!



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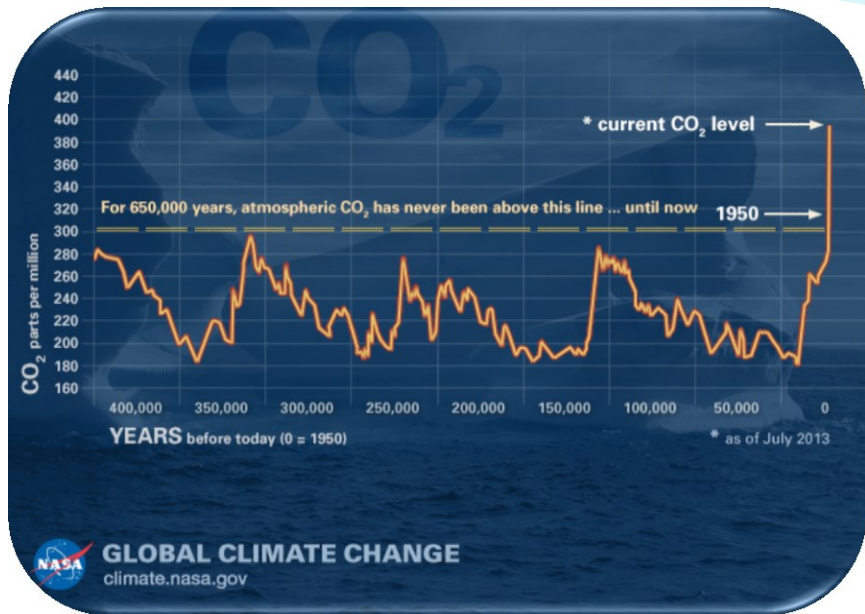
What are the effects of ocean acidification on marine life?



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Why is this a problem now?



Atmospheric CO₂ levels

Ice ages : 200 ppm

Interglacial periods: 280 ppm

2013: > 400 ppm!

Why?

Due to fossil-fuel burning

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Frightening facts!

- * Since the Industrial Revolution, the oceans have absorbed about **25% of the carbon dioxide** produced by burning fossil fuels.
- * The waters of the ocean have become **30% more acidic.**

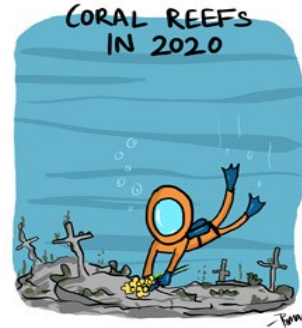
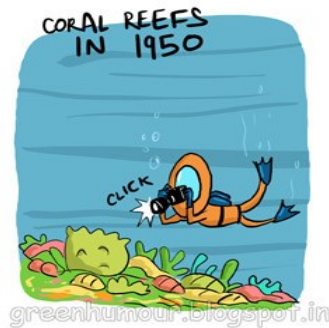


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More frightening facts!

- * Corals which cover only **1%** of the world's oceans but are home to more than **25%** of all marine species are finding it harder to form their skeletons and are in danger of disappearing altogether!



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The Problem

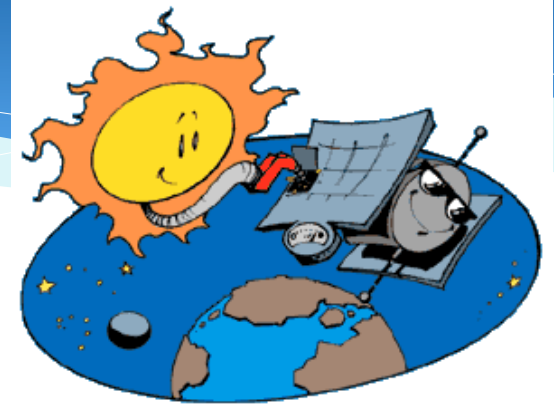


- * We are heading for a mass extinction of animal and plant species caused by **one** species.... **HUMANS!**
- * **We** have created the problem.
- * **We** need to resolve it.
- * The only way to stop acidification is to **reduce the amount of carbon dioxide** released.

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What Can We Do?

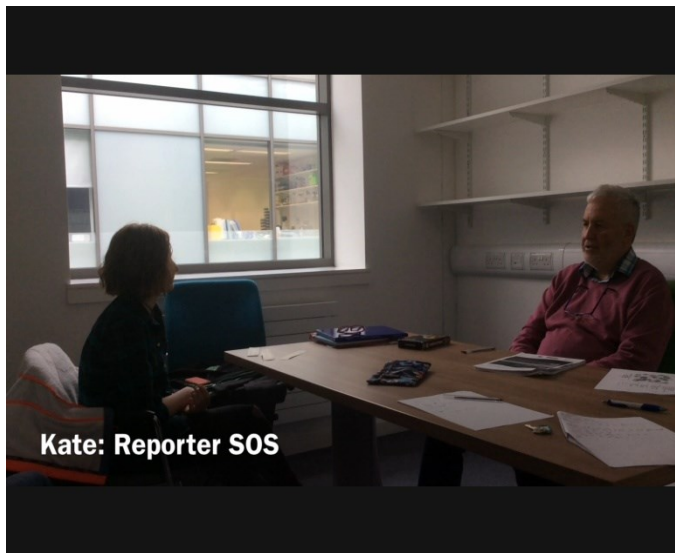


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Our Campaign

Part 1: Research



Kate: Reporter SOS

Dr. Bill Crowe, Sligo I.T.



Mr. Denis Naughten,
Minister for Communications,
Climate Change and Environment



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Part 2: Educate Visits to Primary Schools

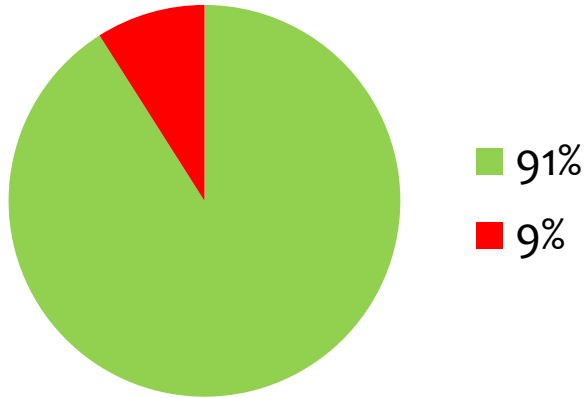


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Survey Results

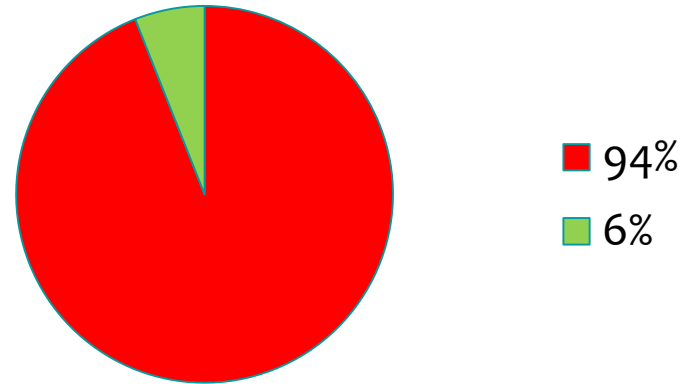
Have you heard of global warming?




Yes 

No 

Have you heard of ocean acidification?



 94%

 6%

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Marine Jenga: Food Web Game



This shows that small changes on one level caused by global warming and ocean acidification can have huge effects on living things at other levels in the marine food web.

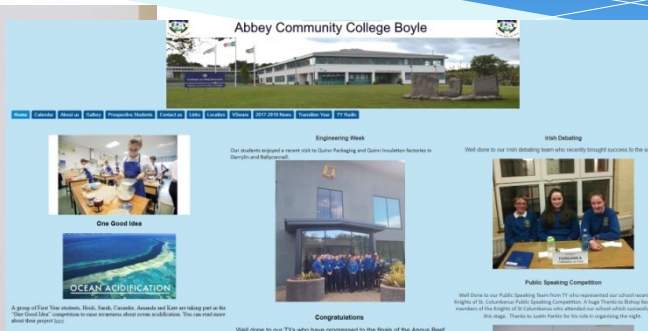
Art Competition



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Part 3: Spread the word



38 38% 13:48

One Good Idea

OCEAN ACIDIFICATION

A group of First Year students, Heidi, Sarah, Caoimhe, Amanda and Kate are taking part in the “One Good Idea” competition to raise awareness about ocean acidification.

One Good Idea: Today’s Simple Step to Save Our Seas.

Keep the windows closed while the heat is on.

You can read more about their project [here](#)

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**What Simple Step will YOU take to
help us please
to Save Our Seas
from Ocean Acidification disease?**



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Thank you



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