

Animalbots Save the Ocean

50 years from now

Authors: 3M

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Jimmy and Fiona are 59 years old and live at beautiful Bruny Island, Tasmania with their children Rosie and Bill.



Rosie and Bill were excited to be on holiday at the tropical Great Barrier Reef. Rosie found turtle eggs under the sand. She was careful not to disturb them. While playing at the beach, Rosie asked her mum and dad “what the world was like when you were young?”



"Well" said Jimmy, "when Fiona and I were in grade 3 in 2020, we were learning to care for our planet. Sadly, pollution such as rubbish was damaging our world. We worried that there will soon be too much rubbish in the ocean and all of the sea animals would die."



We learnt that we can all make a difference! So we did!

We picked up rubbish and helped Mr Down in our school garden. For fruit break we sometimes picked cherry tomatoes to share with our class. In our classroom we re-used and recycled plastic, paper and other materials and popped our food scraps in the compost bin.



Maths and science were our favourite subjects. Jimmy and I calculated that our class could save 21 420 pieces of plastic a year if we have nude food in our lunch boxes every day.



At the age of 19, we were having fun at university learning to be scientist. We drove cool cars that ran off methane gas that was produced by rubbish buried underground at the tip.



But we were worried! Scary storms came often. Sea creatures were dying from plastic pollution. We had to do more!



So, we set out to create Animalbots that cleaned up rubbish from the ocean. Our prototype is a sensational Snakebot that mopped up oil.



Next, we developed a Squidbot. It has arms with suction caps to pick up plastic and garbage from the deepest water. It had a camera in its eye so that we could see what Squidbot was up to through any device.



Our Whalebot had Teflon all around its body that attracted plastic. If he opened his mouth he swallowed the rubbish. It swam around the world following the five ocean currents with the worst plastic pollution.



Our last clever creation was an Albotot. Flying gracefully it collected rubbish from the sea, remote beaches and islands. Lives of Albotross chicks were saved as it scooped up plastic from their nests.



Jimmy and I were relieved. Sea life was beginning to flourish. Thankfully there is now abundant creatures who are happy, healthy and safe life in the crystal clear ocean .



Rosie and Bill feel grateful as they watch the turtles hatch and scurry to the water at the Great Barrier Reef.

Will you join us to swim and circle in a turtle train?



Appendix

5 Key Science ideas

Australian Curriculum

Science Achievement Standard Year 3

By the end of Year 3, students describe features common to living things. They describe how they can use science investigations to respond to questions and identify where people use science knowledge in their lives. Students use their experiences to pose questions and predict the outcomes of investigations. They make formal measurements and follow procedures to collect and present observations in a way that helps to answer the investigation questions. Students suggest possible reasons for their findings. They use diagrams and other representations to communicate their ideas.

Bibliography

[Hemolysis associated with plastics—A histopathologic study with polyurethane](#)

RH Rigdon - Journal of biomedical materials research, 1970 - Wiley Online Library

Exploring and Creating Picture Story Books

<https://fuse.education.vic.gov.au/ResourcePackage/LandingPage?ObjectId=ebf73b85-5ef1-47ed-8478-4ac7174c71dd&SearchScope=Teacher>

Writing your picture story book

<https://fusecontent.education.vic.gov.au/c68acd29-8fc9-4929-8641-af74e6e99df4/NGV%20ECPS%20Res%2013%20Write%20your%20picture%20storybook.pdf>

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