

Toormina Public School

STEM Teacher Enrichment Academy North Coast Primary 2018

How can Stage 2 improve our local marine environment?

Stage 2 students from Toormina Public School were given the opportunity to engage collaboratively to investigate the concept, “How can Stage 2 improve our local marine environment?” After participating in an initial excursion along the Coffs Creek Boardwalk through to the Jetty Foreshore students had to identify what they saw, what issues they could identify and whether these were man-made or naturally occurring events. Students then collaborated in groups to identify how the local marine environment could be improved and who had the power to oversee these changes. Students researched solutions, designed alternative practices and wrote letters to relevant authorities. Our STEM Project culminated with a STEM Expo which allowed our students to share their work with their peers and the wider Toormina Community.

Science and technology outcomes	ST2-1VA ST2-2VA	ST2-4WS ST2-11LW	
Mathematics outcomes	MA2-1WM MA2-2WM	MA2-3WM MA2-18SP	MA2-19SP
English Syllabus	EN2-1A EN2-2A	EN2-4A EN2-9B	EN2-10C EN2-11D EN2-12E

Statement of impact

Students have successfully shared their findings with all other students at Toormina Public School as well as parents and special guests, including the Mayor of Coffs Harbour, Mrs Denise Knight. Students were invited to pass on their thoughts and ideas to council for these to be raised in a formal setting. As a result of the project students have a greater appreciation of their local marine environment and are taking conscious steps to ensure that they are taking ownership of their actions and that these do not have a negative affect on our fragile coastal environment. Students and teachers have also identified how STEM can be used as a highly effective teaching pedagogy which enable 21st century learning whilst maximising learning outcomes.

For more information

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