



BANGKOK PATANA
SCHOOL

PATANA MARINE CONSERVATION GROUP

Patana Marine Conservation Group

Reef restoration project

Coral reefs around the planet are facing a range of grave risks including pollution and the effects of global warming. The reefs situated in the Gulf of Thailand are no exception. At PMCG we aim to help protect the marine ecosystem through a combination of reef /beach cleanups and habitat re-construction. In this project we are undertaking the restoration of the corals in Sattahip Bay, Thailand through coral aquaculture techniques. We are also raising awareness of the critical importance of protecting our marine spaces from further degradation through community-based campaigns.

Although our ocean remain threatened, we believe that they can be protected through careful conservation and the promotion of sustainable living practices.



Primary objectives:

- Design and build a structure to create a false reef to encourage coral growth
- Create a campaign to raise awareness of the importance of marine protection

Sustainable development Goals



Goal 14: Life Below Water - By building an artificial reef, who we called **Timmy the Turtle**, we have been able to create an environment that encourages the growth of coral which will in turn provide sustainable habitats for other marine life. The range of coral species that have attached to the reef has been spectacular.



Goal 12 : Responsible Consumption and Production - Our awareness campaign focused on how responsible consumption and production can have a positive impact on our oceans and how irresponsible consumption and production is having a negative impact on coral reefs and marine life. We brought in an artificial whale made out of plastic waste to highlight the level of damage that single use plastic is having in our oceans. Bobo the whale formed the centrepiece of our campaign within the Primary and Secondary School and acted as a

visual representation to raise awareness and enable us to engage with students. The Foundation Stage children really enjoyed running in and out of his stomach and taking out all of the plastic bottles.



Goal 13 : Climate Action - As part of our awareness campaign and in preparation for the sinking of the reef, we organised a reef and beach cleanup. Divers cleaned nondegradable waste left in the sea whilst snorkelers went to the beach and collected sacks of plastic and fishing line that had washed up on the shores. We collaborated with Mermaids Marine Conservation in Pattaya.

Introducing our team...

Project team leaders: Jessica Cumming and Maya Lemaire

Assistant team leader and Primary school coordinator: Annabel Brett

Secretary and trip logistics: Anika Kohari

Photography: Gabriel Mattei and Annie Robertson

Structure Designers: Marilou Turner and Naman Choudhary

Key Stage 3 representative: Rory Brett

Highlights

- The variety of coral that has started to grow on the artificial reef
- Collaborating with different ages of students to help them create their own awareness campaigns which also helped us develop our communication skills
- Collecting 25 sacks of plastic waste from the beach and ocean bed
- Learning about marine conservation and developing team project skills has been a major highlight for us. We are better problem solvers and more resilient in tackling setbacks.
- Seeing the positive feedback we got from schools around the world via our social media pages

Funds & Donations?

- We raised awareness of our project at Patana Fun Day and received a donation of 10,000 Thai baht from the school PTG
- The main elements of the artificial reef were donated by the DT department
- Student volunteers paid to join the reef and beach clean up trips so all costs were covered

