

COMPETITION

WESTERN AUSTRALIAN 'ENGINEERING' TEACHERS



Engineering pollution solutions

Inspiring students to explore oil clean-up systems

Your class is invited to participate in AUSMEPA's 'Design a tool to clean an oil spill'.

We have designed an engineering teaching resource for students, to investigate how engineers and engineering solves oil spill problems.

All resources on the www.ausmepa.org.au website is copyright free to schools, teachers and students. Resources are written by teachers for students and teachers so units are written in line with the National Curriculum and the student learning outcomes teachers want.

Outline of the project:

- Watch **AUSMEPA's** video footage. Students will compare how different equipment is used to clean-up oil from the marine environment including beaches.
- Provide students with the background science so they understand how the properties of oil affect the marine environment and how these properties are used to remove the oil.
- Using diagrams of oil clean up equipment along with photos and video, students will interpret the diagrams. This will be achieved with helpful questions.
- Provide students with a wide range of engineering solutions that are being used in Australia. (this will range from high tech, passive and manual).
- The competition is for students is to design one piece of equipment to remove or contain oil after a spill.

Email your interest to julie.nash@ausmepa.org.au by Friday 5th April, so I can provide further details

Prizes to be won

