

Activity 1

DOES SOUND TRAVEL IN WATER?



Hi, I'm Chen! I'm an acoustic physicist which means I study sound.

This week I'm planning to study the sounds of the sea, but I need your help. Can you use your research, experimenting and presentation skills to help me explore sounds underwater?

Follow my plan below and remember to ask for help from your adults with things like pouring water. I can't wait to see all your findings!

DID YOU KNOW?

The sound made by a humpback whale can travel for thousands of miles!



YOUR CHALLENGE

1 RESEARCH

How does sound travel and does sound travel in water?



2 EXPERIMENT

Design and test an experiment to see how well sound travels underwater.

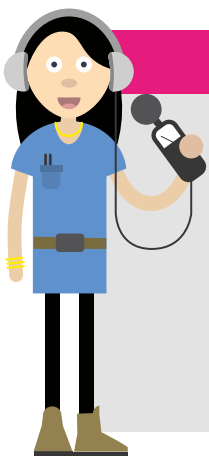


3 PRESENT

Create a poster to explain what you did during your experiment. Don't forget to take pictures!



DON'T FORGET TO TAKE PICTURES!



CHEN'S TOP TIPS

When working on your experiment you can keep your ears dry by making a barrier between you and the water or gently tapping mugs.

