

THE ARDNACRUSHA EXPERIENCE

Your class will work as a team to create a complete report as you explore the world famous Ardnacrusha power station. As part of **TEAM D**, your job is to write down some facts about the Station and the Powerplant. Work as a detective as you pass through the different sections of the station. Keep your eyes and ears peeled for the answers! Give it your best effort.

Good luck!

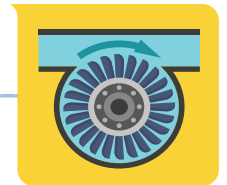


THE VIEWING PLATFORM

How do you get electricity from a river???



Look down into the Turbine Hall and the four generators that are connected to the turbines. What is written on the generator?



What do the turbines do?

How much electricity do the four turbines generate altogether? Say what or is it watt?

MATHS EYES

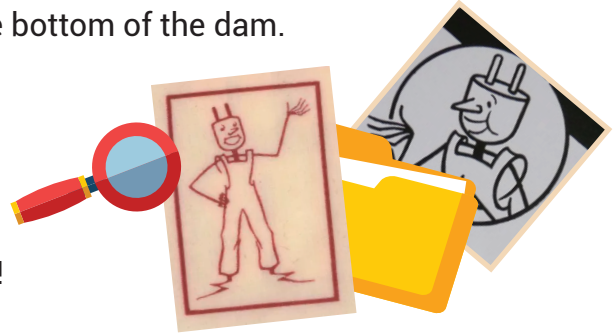
Use your maths eyes again to look for **2D** and **3D** shapes that make up the various parts of the Turbine Hall and **write them below**.

Fill in the blanks to learn how Ardnacrusha generates electricity.

Water is diverted from the River _____ at _____ Weir and flows along a canal to Ardnacrusha, where it meets a _____ metre high dam. Here it is fed through four 6 metre _____ to power the _____ at the bottom of the dam.

THE ARCHIVES

Here **Johnny Hotfoot** (*yes that's his real name!*) will show you some really interesting objects from the past!



Look at all the appliances and gadgets from the past in this room. Tick off what you can spot.

Kettle		Lightbulb	
Radio		Fridge	
Iron		Jukebox	
Cooker		Lightswitch	

Quickly draw a sketch of one of the items. What's different nowadays? You can write in the box



Question time! Write down the 2 most interesting things you learned today.

1. _____

2. _____

What was your favourite part of the tour and why?

