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 A, 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 VISITOR CENTRE

‘...with the flick of a switch,
Ireland was changed forever’

Have a look around and gather facts to make a timeline of the history of Ardnacrusha.

When did the Irish Civil War end? __________
When did the construction work start at Ardnacrusha? __________
When was ESB established? __________
When was the construction of Ardnacrusha completed? __________
When were you born? __________

Numbers, Numbers, Numbers

How much did it all cost? __________
How many tower cranes were used? __________

How many tons of materials went into the construction?

Cement __________
Coal __________
Steel __________

How much TNT was used? (Hint: Kablamo!) __________
Fill in the missing information:

The Shannon is Ireland’s longest river running _____km from the Shannon Pot in County ______ to the Shannon Estuary near ________

OUT ON THE DAM

Are you ready to go see the Power Station? Make sure you have your hi-vis jacket and hard-hat on and hold on to your pencil and worksheet, it can get windy up there!

Look out along the canal leading to the dam. This is called the headrace canal. 12km away is Parteen Weir and behind it is Lough Derg. Once the water passes through Ardnacrusha it follows the tailrace canal (the lower outgoing canal) to rejoin the River Shannon.

Do your best and label 1-6 of this map.

Parteen Weir  River Shannon
Tailrace  Ardnacrusha Power Station
Headrace Canal  Lough Derg

(Hint: You’re at No. 4)

Discuss with a partner in your class about why do you think rain is important to generating electricity at Ardnacrusha?

The water behind the dam is much higher than the water at the bottom. How is gravity important to generating electricity?
THE FISH PASS 🐟 FREE TRANSPORT FOR SWIMMERS!

Why do the Salmon come back and migrate upstream?

Can you think of any other animals that migrate?

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

1. __________________________________________________________

2. __________________________________________________________

What was your favourite part of the tour and why?

____________________________________________________________________________________________________________________

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