

Task 1: Warm Up Activity

Jot down a similar **KWL** table into your copy. Fill in the first two columns now and the last column when you have completed this presentation on the River Shannon and HEP stations.

What I <u>K</u> now	What I <u>W</u> ant to know	What I <u>L</u> earned

Task 2: Explain the New Keywords.

After watching the video clip define the following geographical terms

HEP	
Terrain	
Meander	
Flooding	
Natural Resource	
Canal	
Embankment	

Task 3: Respond to the Video Questions

1. Why are HEP dams created?

2. What could engineers never agree on?

3. What problems did engineers encounter when examining the course of the river?

4. What are the characteristics of the ideal place for a dam, according to the presenter?

5. Why was the location of Killaloe not a good option for the proposed dam's location?

6. How did the engineers finally solve this problem?

7. What was the name of the weir mentioned in the clip?



8. How long is the Headways?

9. What is the name of the dam that was created?

10. "This was the single biggest effort ever made to harness the natural resources of this island", according to the presenter. Do you agree or disagree with this statement give three reasons for your answer.

Task 4: Extension Tasks

The construction of Ardnacrusha HEP station was a massive undertaking for the Irish government. See can you use your internet skills to research and find the answers to the following questions:

1. In what year was the HEP station completed?
2. How much did it cost the Irish Government?
3. How many cubic metres of water per second are released through its turbines?
4. In 2016 Ardnacrusha was accused of adding excess water into an already flooded landscape of the River Shannon see what you can find out about this? Do you agree or disagree with the statement. Give one reason for your answer.