



# Hoover Dam VR

Student Activity

## HOOVER DAM

**What is the approximate weight of the dam?**

**How much energy does it produce?**

**What two states does it separate?**

**During what years was it built?**

**How high is it?**

**What is the length?**

**What special technique did they use to help make the concrete solid? Why?**

**How did they divert to Colorado River during construction?**



## INTAKE TOWERS

- **Hydraulic Head**
  - **Describe the energy change that takes place in the hydraulic head.**
  
  - **What is the energy dependent upon?**
  
- **Dimensions**
  - **How many intake towers are there?**
  
  - **What is the size of each one?**
  
- **Water Flow**
  - **Describe how the water flow is regulated and what other purpose it serves?**

## SPELLWAYS

- **Where are the spillways located?**
  
- **What is the purpose of the spillways?**

## POWER PLANTS

- **How many powerhouses are there? Where are they located?**
  
- **What type of turbines are used?**
  
- **List some statistics. How many turbines are there? How much energy do they produce? What is the total capacity in megawatts? How many horsepower can it produce?**



## POWER LINES

- **How many miles do they span?**
- **What city do they reach?**

## BRIDGE

- **How high is the bridge?**
- **How long is the bridge?**
- **What is the maximum load capacity?**
- **What was the cost to build?**
- **How many arches are there? What type?**

