

Ancient China Study Guide

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- Chinese civilization developed along the banks of the **Huang River** (Yellow) which is known as “China’s Sorrow” because it floods about every 25 years.
- It begins in the Plateau of Tibet. A **plateau** is an area of flat land raised above the surrounding land.
- Ancient China is the world’s oldest continuous civilization.
- Ancient China was ruled by 10 major **dynasties** – a line of rulers who belong to the same family and pass control from one generation to the next - for over 3,500 years. Each dynasty made special contributions to China.
- The ancient Chinese believed the spirit of their **ancestors** brought good luck or misfortune.
- **Oracle Bones** - The ancient Chinese people wrote questions to the gods on oracle bones. The **oracle** –special priests believed to receive messages from the gods – applied heat to the bones until they cracked. Then the oracle interpreted the cracks and answered the questions.
- Ancient Chinese writing used **characters** - signs to represent words or parts of words. The ancient Chinese people had to learn over 3,000 characters in order to be able to write. Today they learn over 50,000 characters.
- China’s rulers believed they had a special right, from on high, to rule the people. This was called the **Mandate of Heaven**.
- **Confucius** was a teacher that believed in respect for oneself and for one’s family. His ideas spread throughout China and are still followed today.
- The **Great Wall of China** was built to keep out fierce invaders from the North. It is the longest man-made structure on earth.
- **Emperor Shi Huangdi** strengthened the Great Wall of China. Later he had a terra cotta army of elaborate soldiers built to protect his tomb.
- The **Silk Road** was a land trade route on which silk and other goods were carried between Asia and Europe.
- The **Grand Canal** was built to connect the Huang (Yellow) and the Chang (Yangtze) Rivers.
- The **Forbidden City** is in Beijing and is named that because only the emperor, his family and his servants were allowed to live there.
- The ancient Chinese invented paper, gunpowder, fireworks, pasta, kites, ice cream, the wheelbarrow, chopsticks, the compass, multiplication tables, printing, playing cards, and the water clock.

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web er data models er data models design a whole database using entities and relationships remember this is not a relational data model so a relationship is not necessarily a relation we will use pictures to demonstrate the full database model

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web connectivity the classification of the relationship between entities classifications include 1 1 1 m and m n derived attribute an attribute that does not physically exist within the entity and is derived via an algorithm for example the age attribute might be derived by subtracting the birth date from the current date existence dependent

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web the entity relationship model entity relationship schema describes data requirements for a new information system direct easy to understand graphical notation translates readily to relational schema for database design but more abstract than relational schema e g can represent an entity without knowing its properties

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web database systems design implementation and management chapter 4 entity relationship er modeling hafiz talha ashfaq 007 in this chapter students will learn the main characteristics of entity relationship components how relationships between

entities are defined refined and incorporated into the database design process how

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web ianwheeler93 entity relationship model erm forms the basis of an er diagram entity relationship diagram erd represents conceptual database as viewed by end user entities attributes and relationships corresponds to a table and not to a row in relational environment in chen and crow s foot models represented by rectangle with name

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