

Development of Science and Technology in China

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- The Chinese cast bronze objects by creating molds out of clay, carving a design into the clay, and then poured molten bronze into the mold. They allowed the bronze to cool and then broke the clay off, revealing a complete bronze object.
- The Chinese also used bronze for military weapons such as swords and spearheads.
- The Chinese also built chariots for military purpose.

System of Writing

- It was during the Shang rulers that the ancient Chinese developed the system of writing.
- Their writing consisted of characters symbolizing objects, ideas or sounds.
- The characters were written in vertical columns which started from the right side.
- The writing materials of the ancient Chinese consisted of thin slips of wood or bamboo on which characters were written with a pencil of bamboo with a coloured liquid as ink.
- About 105 A.D. the Chinese invented paper.

Chinese Calendar

- The Chinese calendar was a combination of solar and lunar calculations.
- The months were lunar and consisted of 29 to 30 days, but the length of the year was correctly calculated as 365 days.
- They could correctly foretell about the lunar eclipses.

Inventions and Discoveries

- The Chinese discovered bricks. This discovery resulted in the construction of many temples, canals and buildings.
- Water and sun clocks were invented by the Chinese.
- The Chinese had developed a system of numeration. They used the decimal system. The Abacus was invented by the Chinese which was used for business purpose.
- The Chinese had almost accurately calculated the value of 'PI'.

Inventions and Discoveries

- The Chinese made a great contribution in seismology, the science of earthquake.
- In the 2nd century, they invented seismograph.
- The Chinese studied medicine and they had a fair knowledge of human anatomy.
- They knew about a number of diseases and their remedies.
- They also introduced the “Acupuncture” system which is very popular even today.

Inventions and Discoveries

- The Chinese had made a large number of other inventions also.
- The credit for inventing umbrella, water mill, glass, paper currency, playing cards etc. also goes to the Chinese.
- The Chinese first invented gunpowder in the 7th century A.D. They combined salpetre, sulphur and charcoal to prepare it.
- The gunpowder served many purposes both in peace and war.

Inventions and Discoveries

- The Chinese discovered the value of tea. During the Han rule, they used tea as a favourite drink.
- The Chinese invented Mariner's Compass which later became a valuable instrument for the sailors in high seas.
- The Chinese made very fine pottery which they learned to glaze. They also learned to make dishes of porcelain. We still call the porcelain dishes as 'Chinaware'.

Thank You for bearing me