**Introduction to Engineering Fundamentals and Civilization**

Match the word or phrase on the left with its definition on the right.

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| --- | --- |
| **Invention** | Limitation or restriction |
| **Constraint** | The practical application of science to commerce or industry |
| **Model** | A new way of doing something, an improvement on an existing form |
| **Artifact** | A simplified representation of a system or phenomenon, as in the sciences or economics |
| **Innovation** | A new, useful process, machine, improvement, etc., that did not exist previously |
| **Technology** | An object produced or shaped by human craft |

Match the invention or innovation on the left with the time era in which it was produced on the right.

The grinding stone **Stone Age**

Metalwork

Plague and famine **Bronze Age**

Forming and shaping

The theory of universal gravitation **Iron Age**

Air conditioning

Domestication of animals **Middle Ages**

Governments

Sailing ships **Renaissance**

Division of labor

Mills and foundries **Industrial revolution**

The printing press

The steam engine **Twentieth century**