**Key**

**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 Bronze Age**

**Plague and famine Middle Ages**

**Forming and shaping Iron Age**

**The theory of universal gravitation Renaissance**

**Air conditioning Twentieth century**

**Domestication of animals Stone Age**

**Governments Bronze Age**

**Sailing ships Middle Ages**

**Division of labor Bronze Age**

**Mills and foundries Middle Ages**

**The printing press Renaissance**

**The steam engine Industrial Revolution**