

## Four-Column Notes on Golden Ages Vocabulary

The words used below are review from Unit 9.3 when you studied the golden ages listed in the last activity. Here, you will need to recall the meanings of those words to answer questions about them and provide examples and non-examples. Use the example with the word “innovation” as a guide

Question	Answer	Two Examples	Two Non-Examples
What is an <b>innovation</b> ?	An innovation is something new that solves a problem.	<ul style="list-style-type: none"> <li>● smart phones</li> <li>● a faster way to get to school</li> </ul>	<ul style="list-style-type: none"> <li>● doing something the way it has always been done</li> <li>● riding a horse instead of driving a car</li> </ul>
What is an <b>achievement</b> ?			
What is <b>prosperity</b> ?			
What is <b>stability</b> ?			
What are <b>visual arts</b> ?			

What is <b>architecture</b> ?			
What is <b>literature</b> ?			
What is <b>philosophy</b> ?			
What is <b>technology</b> ?			
What is <b>science</b> ?			

## Technological Beginnings

The westward flow of Chinese technology occurred throughout the existence of the Silk Road. Historian Joseph Needham created a list of new inventions that reached Europe between the first and eighteenth centuries, often after a time lapse of several hundred years. There are many other examples not listed in the chart below, such as the use of paper money, the abacus, and the use of coal for fuel, but the table gives a good illustration of how technologically advanced the Chinese were from the Europeans.

Excerpt from [Journeys Along the Silk Road - Unit 1- Middle School](#) which is published by Indiana University Bloomington

### Summary of the Transmission of Mechanical and Other Techniques From China To the West

Type of Device	Approximate Time-lag in Centuries	Type of Device	Approximate Time-lag in Centuries
Silk-Manufacturing Machinery	3-13	Deep Drilling for Natural Gas	11
Wheelbarrow	9-10	Gunpowder	5-6 4 (for military use)
Efficient Harness For Draught-Animals: Breast Strap (Postilion)	8	Magnetic Compass	11 4 (with needle) 2 (for navigation)
Crossbow (as an individual arm)	13	Paper	10
Printing (Block)	6 4 (Movable Type) 1 (Metal Movable Type)	Shipbuilding Methods (including watertight compartments, efficient sails, and the rudder)	10

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See	Think	Wonder
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**UNIT 4 | Political Powers and Achievements | SQ 9. What led to the Tang and Song Golden Ages? How did the Tang and Song Dynasties impact China, other regions, and later periods in history?**

When you read this chart, what do you see? Trends?	What do you think about the information in this chart? What does it mean?	What do you wonder about this chart? What questions do you have?