Unit 4 - Transoceanic Connections

Topic 4.1 - Technological Innovations from 1450 to 1750

Thematic Focus: Technology and Innovation (TEC)

Human adaptation and innovation have resulted in increased efficiency, comfort, and security, and technological advances have shaped human development and interactions with both intended and unintended consequences.

Essential Questions: *In what ways did cross-cultural interactions result in the diffusion of technology and how the technology influences trade?*

Learning Objective	Historical Developments (KC's)	Study Guide Notes on Historical Developments (KC)
Explain how cross-cultural interactions resulted in the diffusion of technology and facilitated changes in patterns of trade and travel from 1450 to 1750. European Advantage: Strayer p. 554-556	**KC 4.1.II** Knowledge, scientific learning, and technology from the Classical, Islamic, and Asian worlds spread, facilitating European technological developments and innovation. **KC 4.1.II.A** The developments included the production of new tools, innovations in ship designs, and an improved understanding of regional wind and currents patterns—all of which made transoceanic travel and trade possible.	

Response to learning objective:

Illustrative Examples	Notes - Significance (how does each help answer the Essential Question) & Theme
Caravel ship design innovation	
Carrack ship design innovation	
Fluyt ship design innovation	
Lateen sails	
Compass	
Astronomical charts	