Empires in East Asia, 600–1350

Previewing Main Ideas

RELIGIOUS AND ETHICAL SYSTEMS Buddhism, which had reached China from India, spread from China to Japan. Both Hindu and Buddhist missionaries from India spread their religions across Southeast Asia.

Geography Why might the Khmer Empire, rather than Korea or Japan, be more open to influence from India?

EMPIRE BUILDING The Tang Dynasty built China into the most powerful and advanced empire in the world. Later, China fell to another group of empire builders, the Mongols.

Geography Locate the Great Wall on the map. Why do you think the Chinese constructed the wall along their northern border?

CULTURAL INTERACTION Chinese culture spread across East Asia, influencing Korea, Japan, and much of mainland Southeast Asia. The Mongol conquests led to interaction between settled and nomadic peoples across Asia.

Geography Why would China tend to exert a strong influence over other parts of East Asia?

INTEGRATED TECHNOLOGY

INTERNET RESOURCES Go to classzone.com for:
- Interactive Maps
- Interactive Visuals
- Interactive Primary Sources
- Research Links
- Internet Activities
- Primary Sources
- Chapter Quiz
- Maps
- Test Practice
- Current Events

EAST AND SOUTHEAST ASIA

618 Tang Dynasty begins 289-year rule in China. (Tang statuette)

600 630s Muhammad unifies Arabian Peninsula under Islam.

794 Heian period begins in Japan.

935 Koryu Dynasty controls Korea.

800 Charlemagne crowned Holy Roman Emperor by pope.

900s Maya civilization goes into decline. (Maya stone sculpture)

WORLD

320
321

**East and Southeast Asia, 900–1200**

- **960**: Song Dynasty established in China.
- **1192**: Kamakura Shogunate rules Japan. (Kamakura period painting)
- **1279**: Kublai Khan conquers China.
- **1054**: The pope expels the patriarch of Constantinople, splitting Christianity into Roman Catholic and Orthodox branches.
- **1324**: Mali king Mansa Musa makes hajj to Mecca.
- **1347**: Bubonic plague strikes Europe.
Imagine yourself in the year 1292. You have spent the last 17 years traveling in China—the world’s most advanced country. Your own civilization is on the other side of the world. It, too, is very sophisticated, but it lacks many of the innovations you have seen on your travels.

During your stay in China, you were of great assistance to the emperor. As a going-away present, he asks you to choose one of the inventions shown here to take back to your own society. He also will provide you with the knowledge of how to create the invention of your choice.

Which Chinese invention would be most useful to your society?

- **Silk** makes a luxurious cloth—soft to the touch but also amazingly strong and warm.
- **The magnetic compass** can help sailors navigate the open sea.
- **Gunpowder** can be used for fireworks or made into explosive weapons.
- **Paper** is a relatively inexpensive and easy-to-produce surface for writing and printing.

**EXAMINING the ISSUES**

- Which invention would most improve the quality of life?
- Which might be the most profitable?
- What benefits and drawbacks might there be to introducing the item into your society?

Discuss these questions with your classmates. In your discussion, remember what you have learned about the spread of new ideas. As you read about China in this chapter, see how its ideas spread from the East to the West.
Empires in East Asia

**1**

### Tang and Song China

**MAIN IDEA**

**EMPIRE BUILDING** During the Tang and Song dynasties, China experienced an era of prosperity and technological innovation.

**WHY IT MATTERS NOW**

Chinese inventions from this period, such as printing, gunpowder, and the compass, changed history.

**TERMS & NAMES**

- Tang Taizong
- Wu Zhao
- movable type
- gentry

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### Setting the Stage

After the Han Dynasty collapsed in A.D. 220, no emperor was strong enough to hold China together. Over the next 350 years, more than 30 local dynasties rose and fell. Finally, by 589, an emperor named Wendi had united northern and southern China once again. He restored a strong central government. Under the next two dynasties, the Tang and the Song, China experienced a prolonged golden age. It became the richest, most powerful, and most advanced country in the world.

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### The Tang Dynasty Expands China

**Wendi** declared himself the first emperor of the Sui (sway) Dynasty. The dynasty lasted through only two emperors, from 581 to 618. The Sui emperors’ greatest accomplishment was the completion of the Grand Canal. This waterway connected the Huang He and the Chang Jiang. The canal provided a vital route for trade between the northern cities and the southern rice-producing region of the Chang delta.

About a million peasant men and women toiled five years to dig the more than 1,000-mile waterway. Perhaps as many as half of the workers died on this project. Thousands more toiled and died rebuilding the Great Wall. The endless labor on state projects turned the people against the Sui Dynasty. Overworked and overtaxed, they finally revolted. In 618, a member of the imperial court assassinated the second Sui emperor.

**Tang Rulers Create a Powerful Empire** While short-lived, the Sui Dynasty built a strong foundation for the great achievements of the next dynasty, the Tang (tahng). The Tang Dynasty ruled for nearly 300 years (618–907). The Tang emperor who began these achievements was **Tang Taizong**. His brilliant reign lasted from 626 to 649.

Under the Tang rulers, the empire expanded. Taizong’s armies reconquered the northern and western lands that China had lost since the decline of the Han Dynasty. By 668, China had extended its influence over Korea as well. The ruler during the campaign in Korea was the empress **Wu Zhao** (woo jow). From about 660 on, she held the real power while weak emperors sat on the throne. Finally, in 690, Empress Wu assumed the title of emperor for herself—the only woman ever to do so in China.
Tang rulers further strengthened the central government of China. They expanded the network of roads and canals begun by the Sui. This helped to pull the empire together. They also promoted foreign trade and improvements in agriculture.

**Scholar-Officials** To manage their large empire, the Tang rulers needed to restore China’s vast bureaucracy. They did this by reviving and expanding the civil service examination system begun by the Han Dynasty. The relatively few candidates who passed the tough exams became part of an elite group of scholar-officials.

In theory, the exams were open to all men, even commoners. However, only the wealthy could afford the necessary years of education. Also, men with political connections could obtain high positions without taking the exams. Despite these flaws, the system created a remarkably intelligent and capable governing class in China. Before the Tang Dynasty, a few noble families dominated the country. As the examination system grew in importance, talent and education became more important than noble birth in winning power. As a result, many moderately wealthy families shared in China’s government.

The Tang Lose Power To meet the rising costs of government, Tang rulers imposed crushing taxes in the mid-700s. These brought hardship to the people but failed to cover the costs of military expansion and new building programs.

Moreover, the Tang struggled to control the vast empire they had built. In 751, Muslim armies soundly defeated the Chinese at the Battle of Talas. As a result, Central Asia passed out of Chinese control and into foreign hands. After this time, border attacks and internal rebellions steadily chipped away at the power of the imperial government. Finally, in 907, Chinese rebels sacked and burned the Tang capital at Ch’ang-an and murdered the last Tang emperor, a child.

**The Song Dynasty Restores China**

After the fall of the Tang Dynasty, rival warlords divided China into separate kingdoms. Then, in 960, an able general named Taizu reunited China and proclaimed himself the first Song (sung) emperor. The Song Dynasty, like the Tang, lasted about three centuries (960–1279). Although the Song ruled a smaller empire than either the Han or the Tang, China remained stable, powerful, and prosperous.

Song armies never regained the western lands lost after 751. Nor did they regain northern lands that had been lost to nomadic tribes during the Tang decline. For a time, Song emperors tried to buy peace with their northern enemies. They paid hefty annual tributes of silver, silk, and tea. This policy, however, ultimately failed...
to stop the threat from the north. In the early 1100s, a Manchurian people called the Jurchen conquered northern China and established the Jin Empire. The Jurchen forced the Song to retreat south across the Huang He. After 1127, the Song emperors ruled only southern China.

The Song rulers established a grand new capital at Hangzhou, a coastal city south of the Chang Jiang. Despite its military troubles, the dynasty of the Southern Song (1127–1279) saw rapid economic growth. The south had become the economic heartland of China. Merchants in southern cities grew rich from trade with Chinese in the north, nomads of Central Asia, and people of western Asia and Europe.

An Era of Prosperity and Innovation

During the Tang and Song dynasties, China’s population nearly doubled, soaring to 100 million. By the Song era, China had at least ten cities with a population of 1 million each. China had become the most populous country in the world. It also had become the most advanced.

Science and Technology Artisans and scholars made important technological advances during the Tang and Song eras. Among the most important inventions were movable type and gunpowder. With movable type, a printer could arrange blocks of individual characters in a frame to make up a page for printing. Previously, printers had carved the words of a whole page into one large block. The development of gunpowder, in time, led to the creation of explosive weapons such as bombs, grenades, small rockets, and cannons. Other important inventions of this period include porcelain, the mechanical clock, paper money, and the use of the magnetic compass for sailing. (See the Social History feature on pages 328–329.)

The 1000s to the 1200s was a rich period for Chinese mathematics. The Chinese made advances in arithmetic and algebra. Many mathematical ideas, such as using negative numbers, spread from China southward and westward.

Agriculture The rapid growth of China resulted in part from advances in farming. Farmers especially improved the cultivation of rice. In about the year 1000, China imported a new variety of fast-ripening rice from Vietnam. This allowed the farmers to harvest two rice crops each year rather than one. To make sure that farmers knew about this improved variety, Chinese officials distributed seedlings throughout the country. The agricultural improvements enabled China’s farmers to produce more food. This was necessary to feed the rapidly expanding population in the cities.

Trade and Foreign Contacts Under the Tang and Song emperors, foreign trade flourished. Tang imperial armies guarded the great Silk Roads, which linked China to the West. Eventually, however, China lost control over these routes during the long Tang decline. After this time, Chinese merchants relied increasingly on ocean trade. Chinese advances in sailing technology, including use of the magnetic compass, made it possible for sea trade to expand. Up and down China’s long coastline, the largest port cities in the

Making Inferences How might the spread of mathematical ideas from China affect other countries?
world bustled with international trade. Merchant ships carried trade goods to Korea and Japan. They sailed across the Indian Ocean to India, the Persian Gulf, and even the coast of Africa. Chinese merchants established trading colonies around Southeast Asia. Many foreign traders, mostly Arabs, resided in Chinese cities. Through trade and travel, Chinese culture spread throughout East Asia. One major cultural export was Buddhism. This religion spread from China to Vietnam, Korea, and Japan. The exchange of goods and ideas was two-way. For example, foreign religions, including Islam and some Eastern sects of Christianity, spread to China and won followers.

**A Golden Age of Poetry and Art** The prosperity of the Tang and Song dynasties nourished an age of artistic brilliance. The Tang period produced great poetry. Two of its most celebrated poets were Li Bo, who wrote about life’s pleasures, and Tu Fu, who praised orderliness and Confucian virtues. Tu Fu also wrote critically about war and the hardships of soldiers. Once he himself was captured by rebels and taken to Ch’ang-an, the capital city. He had sent his family to the village of Fuzhou for safety. Here he describes their separation:

**PRIMARY SOURCE**

Text is not available for use on this CD-ROM. Please refer to the text in the textbook.

Chinese painting reached new heights of beauty during the Song Dynasty. Painting of this era shows Daoist influence. Artists emphasized the beauty of natural landscapes and objects such as a single branch or flower. The artists did not use bright colors. Black ink was their favorite paint. Said one Song artist, “Black is ten colors.”
Changes in Chinese Society

China’s prosperity produced many social changes during the Tang and Song periods. Chinese society became increasingly mobile. People moved to the cities in growing numbers. The Chinese also experienced greater social mobility than ever before. The most important avenue for social advancement was the civil service system.

**Levels of Society** During Tang and Song times, the power of the old aristocratic families began to fade. A new, much larger upper class emerged, made up of scholar-officials and their families. Such a class of powerful, well-to-do people is called the **gentry**. The gentry attained their status through education and civil service positions rather than through land ownership. Below the gentry was an urban middle class. It included merchants, shopkeepers, skilled artisans, minor officials, and others. At the bottom of urban society were laborers, soldiers, and servants. In the countryside lived the largest class by far, the peasants. They toiled for wealthy landowners as they had for centuries.

**The Status of Women** Women had always been subservient to men in Chinese society. Their status further declined during the Tang and Song periods. This was especially true among the upper classes in cities. There a woman’s work was deemed less important to the family’s prosperity and status. Changing attitudes affected peasant families less, however. Peasant women worked in the fields and helped produce their family’s food and income.

One sign of the changing status of women was the new custom of binding the feet of upper-class girls. When a girl was very young, her feet were bound tightly with cloth, which eventually broke the arch and curled all but the big toe under. This produced what was admiringly called a “lily-foot.” Women with bound feet were crippled for life. To others in society, such a woman reflected the wealth and prestige of her husband, who could afford such a beautiful but impractical wife.

The social, economic, and technological transformations of the Tang and Song periods permanently shaped Chinese civilization. They endured even as China fell to a group of nomadic outsiders, the Mongols, whom you will learn about in Section 2.
The Mongol Conquests

**MAIN IDEA**

**EMPIRE BUILDING** The Mongols, a nomadic people from the steppe, conquered settled societies across much of Asia.

**WHY IT MATTERS NOW**

The Mongols built the largest unified land empire in world history.

**TERMS & NAMES**

- pastoralist
- clan
- Genghis Khan
- Pax
- Mongolica

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**SETTING THE STAGE** While the Chinese prospered during the Song Dynasty, a great people far to the north were also gaining strength. The Mongols of the Asian steppe lived their lives on the move. They prided themselves on their skill on horseback, their discipline, their ruthlessness, and their courage in battle. They also wanted the wealth and glory that came with conquering mighty empires. This desire soon exploded into violent conflict that transformed Asia and Europe forever.

**Nomads of the Asian Steppe**

A vast belt of dry grassland, called the steppe, stretches across the landmass of Eurasia. The significance of the steppe to neighboring civilizations was twofold. First, it served as a land trade route connecting the East and the West. Second, it was home to nomadic peoples who frequently swept down on their neighbors to plunder, loot, and conquer.

**Geography of the Steppe**

There are two main expanses of the Eurasian steppe. The western steppe runs from Central Asia to eastern Europe. It was the original home of some of the ancient invaders you have read about, including the Hittites. The eastern steppe, covering the area of present-day Mongolia, was the first home of the Huns, the Turks, and the Mongols.

Very little rain falls on the steppe, but the dry, windswept plain supports short, hardy grasses. Seasonal temperature changes can be dramatic. Temperatures in Mongolia, for example, range from –57°F in winter to 96°F in the summer. Rainfall is somewhat more plentiful and the climate milder in the west than in the east. For this reason, movements of people have historically tended to be toward the west and the south.

**The Nomadic Way of Life**

Nomadic peoples were **pastoralists**—that is, they herded domesticated animals. They were constantly on the move, searching for good pasture to feed their herds. But they did not wander. Rather, they followed a familiar...
seasonal pattern and returned on a regular basis to the same campsites. Keeping claim to land that was not permanently occupied was difficult. Battles frequently arose among nomadic groups over grassland and water rights.

Asian nomads practically lived on horseback as they followed their huge herds over the steppe. They depended on their animals for food, clothing, and housing. Their diet consisted of meat and mare's milk. They wore clothing made of skins and wool, and they lived in portable felt tents called yurts.

Steppe nomads traveled together in kinship groups called clans. The members of each clan claimed to be descended from a common ancestor. Different clans sometimes came together when they needed a large force to attack a common enemy or raid their settled neighbors.

**Steppe Nomads and Settled Societies** The differing ways of life of nomadic and settled peoples resulted in constant interaction between them. Often, they engaged in peaceful trade. The nomads exchanged horses, for example, for basic items they lacked, such as grain, metal, cloth, and tea. Nomads were accustomed to scarcity and hardship. They prided themselves on their toughness. However, they were sometimes tempted by the rich land and relative wealth of townspeople and took what they wanted by force. As a result, settled peoples lived in constant fear of raids.

Time and again in history, nomadic peoples rode out of the steppe to invade border towns and villages. When a state or empire was strong and organized, it could protect its frontier. If the state or empire became divided and weak, the nomads could increase their attacks and gain more plunder. Occasionally, a powerful nomadic group was able to conquer a whole empire and become its rulers. Over generations, these nomadic rulers often became part of the civilization they conquered.

**The Rise of the Mongols**

For centuries, the Mongol people had roamed the eastern steppe in loosely organized clans. It took a military and political genius to unite the Mongols into a force with a single purpose—conquest.

**Genghis Khan Unites the Mongols** Around 1200, a Mongol clan leader named Temujin sought to unify the Mongols under his leadership. He fought and defeated his rivals one by one. In 1206, Temujin accepted the title Genghis Khan, or “universal ruler” of the Mongol clans.

Over the next 21 years, Genghis led the Mongols in conquering much of Asia. His first goal was China. After invading the northern Jin Empire in 1211, however, his attention turned to the Islamic region west of Mongolia. Angered by the murder of Mongol traders and an ambassador at the hands of the Muslims, Genghis launched a campaign of terror across Central Asia. The Mongols destroyed one city after another—Utrar, Samarkand, Bukhara—and slaughtered many inhabitants. By 1225, Central Asia was under Mongol control.
**Genghis the Conqueror** Several characteristics lay behind Genghis Khan’s stunning success as a conqueror. First, he was a brilliant organizer. He assembled his Mongol warriors into a mighty fighting force (see below). Following the model of the Chinese military, Genghis grouped his warriors in armies of 10,000. These in turn were organized into 1,000-man brigades, 100-man companies, and 10-man squads. He put his most battle-proven and loyal men in command of these units.

Second, Genghis was a gifted strategist. He used various tricks to confuse his enemy. Sometimes, a small Mongol cavalry unit would attack, then pretend to gallop away in flight. The enemy usually gave chase. Then the rest of the Mongol army would appear suddenly and slaughter the surprised enemy forces.

Finally, Genghis Khan used cruelty as a weapon. He believed in terrifying his enemies into surrender. If a city refused to open its gates to him, he might kill the entire population when he finally captured the place. The terror the Mongols inspired spread ahead of their armies, which led many towns to surrender without a fight. As one Arab historian wrote, “In the countries that have not yet been overrun by them, everyone spends the night afraid that they may appear there too.”

**The Mongol Empire**

Genghis Khan died in 1227—not from violence, but from illness. His successors continued to expand his empire. In less than 50 years, the Mongols conquered territory from China to Poland. In so doing, they created the largest unified land empire in history. (See the map on page 334.)

**A Mighty Fighting Force**

Mongol soldiers were superb horsemen, having spent all their lives in the saddle. Annual game roundups gave young men the chance to practice skills they would use in battle and gave their leaders the opportunity to spot promising warriors. When on the move, each soldier was accompanied by three extra horses. By changing mounts, soldiers could stay in the saddle for up to ten days and nights at a time. When charging toward a target, they covered as much as 120 miles a day. If food was scarce, a Mongol soldier might make a small gash in the neck of one of his horses and sustain himself by drinking the blood.

A key to Mongol horsemanship was the stirrup, which was invented on the steppe in the second century B.C. Stirrups enabled a mounted warrior to stand, turn, and shoot arrows behind him.
The Khanates After Genghis’s death, his sons and grandsons continued the campaign of conquest. Armies under their leadership drove south, east, and west out of inner Asia. They completed their conquest of northern China and invaded Korea. They leveled the Russian city of Kiev and reached the banks of the Adriatic Sea. The cities of Venice and Vienna were within their grasp. However, in the 1250s the Mongols halted their westward campaign and turned their attention to Persia. By 1260, the Mongols had divided their huge empire into four regions, or khanates. (See the map on page 334.) These were the Khanate of the Great Khan (Mongolia and China), the Khanate of Chagatai (Central Asia), the Ilkhanate (Persia), and the Khanate of the Golden Horde (Russia). A descendant of Genghis ruled each khanate.

The Mongols as Rulers Many of the areas invaded by the Mongols never recovered. The populations of some cities were wiped out. In addition, the Mongols destroyed ancient irrigation systems in areas such as the Tigris and Euphrates valleys. Thus, the land could no longer support resettlement. While ferocious in war, the Mongols were quite tolerant in peace. They rarely imposed their beliefs or way of life on those they conquered. Over time, some Mongol rulers even adopted aspects of the culture of the people they ruled. The Ilkhans and the Golden Horde, for example, became Muslims. Growing cultural differences among the khanates contributed to the eventual splitting up of the empire.

The Mongol Peace From the mid-1200s to the mid-1300s, the Mongols imposed stability and law and order across much of Eurasia. This period is sometimes called the Pax Mongolica, or Mongol Peace. The Mongols guaranteed safe passage for trade caravans, travelers, and missionaries from one end of the empire to another.
Trade between Europe and Asia had never been more active. Ideas and inventions traveled along with the trade goods. Many Chinese innovations, such as gunpowder, reached Europe during this period.

Other things spread along with the goods and the ideas. Some historians speculate that the epidemic of bubonic plague that devastated Europe during the 1300s was first spread by the Mongols. (See Chapter 14.) The disease might have traveled along trade routes or have been passed to others by infected Mongol troops.

For a brief period of history, the nomadic Mongols were the lords of city-based civilizations across Asia, including China. As you will read in Section 3, China continued to thrive under Mongol rule.

**INTERNET ACTIVITY**

Today, most Mongols live in the country of Mongolia. Use the Internet to find information on Mongolian ways of life. Then create an illustrated report comparing ways of life today and in Genghis Khan’s time.
The Mongol Empire

**MAIN IDEA**

CULTURAL INTERACTION
As emperor of China, Kublai Khan encouraged foreign trade.

**WHY IT MATTERS NOW**

The influence of Chinese ideas on Western civilization began with the Mongols’ encouragement of trade.

**TERMS & NAMES**

- Kublai Khan
- Marco Polo

**SETTING THE STAGE** Kublai Khan, the grandson of Genghis Khan, assumed the title Great Khan in 1260. In theory, the Great Khan ruled the entire Mongol Empire. In reality, the empire had split into four khanates. Other descendants of Genghis ruled Central Asia, Persia, and Russia as semi-independent states. So, Kublai focused instead on extending the power and range of his own khanate, which already included Mongolia, Korea, Tibet, and northern China. To begin, however, he had to fulfill the goal of his grandfather to conquer all of China.

**Kublai Khan Becomes Emperor**

The Chinese held off Kublai’s attacks for several years. However, his armies finally overwhelmed them in 1279. Throughout China’s long history, the Chinese feared and fought off invasions by northern nomads. China sometimes lost territory to nomadic groups, but no foreigner had ever ruled the whole country. With Kublai’s victory, that changed.

**Beginning a New Dynasty** As China’s new emperor, Kublai Khan founded a new dynasty called the Yuan (yoo•AHN) Dynasty. It lasted less than a century, until 1368, when it was overthrown. However, the Yuan era was an important period in Chinese history for several reasons. First, Kublai Khan united China for the first time in more than 300 years. For this he is considered one of China’s great emperors. Second, the control imposed by the Mongols across all of Asia opened China to greater foreign contacts and trade. Finally, Kublai and his successors tolerated Chinese culture and made few changes to the system of government.

Unlike his Mongol ancestors, Kublai abandoned the Mongolian steppes for China. He did not share his ancestors’ dislike of the settled life. On the contrary, he rather enjoyed living in the luxurious manner of a Chinese emperor. He maintained a beautiful summer palace at Shangdu, on the border between Mongolia and China. He also built a new square-walled capital at the site of modern Beijing. Kublai built this palace to enhance his prestige, but his new capital meant something more. Previously, the Great Khans had ruled their empire from Mongolia. Moving the capital from Mongolia to China was a sign that Kublai intended to make his mark as emperor of China.

**Failure to Conquer Japan** After conquering China, Kublai Khan tried to extend his rule to Japan. In 1274 and again in 1281, the Great Khan sent huge fleets...
against Japan. The Mongols forced Koreans to build, sail, and provide provisions for the boats, a costly task that almost ruined Korea. Both times the Japanese turned back the Mongol fleets.

The second fleet carried 150,000 Mongol, Chinese, and Korean warriors—the largest seaborne invasion force in history until World War II. After 53 days, Japanese warriors had fought the invaders to a standstill. Then, on the following day, the sky darkened and a typhoon swept furiously across the Sea of Japan. Mongol ships were upended, swamped, and dashed to bits against the rocky shore, despite their sailors’ attempts to escape onto the open sea. For centuries afterward, the Japanese spoke reverently of the *kamikaze*, or “divine wind,” that had saved Japan.

**Mongol Rule in China**

Early in Kublai Khan’s reign, one of his Chinese advisers told him, “I have heard that one can conquer the empire on horseback, but one cannot govern it on horseback.” This advice illustrates the problems Kublai faced as emperor. Mongol ways would not work in a sophisticated civilization like China’s. Besides, the number of Mongols in China was few compared to the huge native population. Kublai would need to make use of non-Mongol officials to help him rule successfully.

The Mongols and the Chinese The Mongol rulers had little in common with their Chinese subjects. Because of their differences, the Mongols kept their separate identity. Mongols lived apart from the Chinese and obeyed different laws. They kept the Chinese out of high government offices, although they retained as many Chinese officials as possible to serve on the local level. Most of the highest government posts went to Mongols or to foreigners. The Mongols believed that foreigners were more trustworthy since they had no local loyalties.

Despite his differences with the Chinese, Kublai Khan was an able leader. He restored the Grand Canal and extended it 135 miles north to Beijing. Along its banks he built a paved highway that ran some 1,100 miles, from Hangzhou to Beijing. These land and water routes ensured the north a steady supply of grain and other goods from the southern heartland.

**Foreign Trade** Foreign trade increased under Kublai Khan. This was largely due to the Mongol Peace, which made the caravan routes across Central Asia safe for trade and travel. Traders transported Chinese silk and porcelain, which were greatly valued in Europe and western Asia, over the Silk Roads and other routes. These traders also carried with them such Chinese products and inventions as printing, gunpowder, the compass, paper currency, and playing cards.
Kublai further encouraged trade by inviting foreign merchants to visit China. Most of them were Muslims from India, Central Asia, and Persia. Many European traders and travelers, including Christian missionaries, also reached China.

**Marco Polo at the Mongol Court** The most famous European to visit China in these years was a young Venetian trader, Marco Polo. He traveled by caravan on the Silk Roads with his father and uncle, arriving at Kublai Khan’s court around 1275. Polo had learned several Asian languages in his travels, and Kublai Khan sent him to various Chinese cities on government missions. Polo served the Great Khan well for 17 years. In 1292, the Polos left China and made the long journey back to Venice.

Later, during a war against Venice’s rival city, Genoa, Marco Polo was captured and imprisoned. In prison he had time to tell the full story of his travels and adventures. To his awed listeners, he spoke of China’s fabulous cities, its fantastic wealth, and the strange things he had seen there. He mentioned the burning of “black stones” (coal) in Chinese homes. (Coal as a fuel was little known in Europe.) He also recorded the practical workings of Kublai’s government and aspects of Chinese life. Here is his description of trade in Beijing:

> PRIMARY SOURCE
>
> [M]ore precious and costly wares are imported into Khan-balik [Beijing] than into any other city in the world. . . . All the treasures that come from India—precious stones, pearls, and other rarities—are brought here. So too are the choicest and costliest products of Cathay [China] itself and every other province.

> MARCO POLO, The Travels of Marco Polo

A fellow prisoner gathered Polo’s stories into a book. It was an instant success in Europe, but most readers did not believe a word of it. They thought Polo’s account was a marvelous collection of tall tales. It was clear to Marco Polo, however, that the civilization he had visited was the greatest in the world.

**The End of Mongol Rule**

During the last years of Kublai Khan’s reign, weaknesses began to appear in Mongol rule. In an attempt to further expand his empire, Kublai sent several expeditions into Southeast Asia. His armies and navies suffered many humiliating defeats at a huge expense of lives and equipment. Heavy spending on fruitless wars, on public works, and on the luxuries of the Yuan court burdened the treasury and created resentment among the overtaxed Chinese. This presented problems that Kublai’s less able successors could not resolve.
Yuan Dynasty Overthrown  Kublai Khan died in 1294. After his death, the Yuan Dynasty began to fade. Family members continually argued over who would rule. In one eight-year period, four different khans took the throne.

Rebellions broke out in many parts of China in the 1300s. The Chinese had long resented their Mongol rulers, and the Mongol humiliation of the Chinese only increased under Kublai Khan’s successors. The rebellions were also fueled by years of famine, flood, and disease, along with growing economic problems and official corruption. In 1368, Chinese rebels finally overthrew the Mongols. The rebel leader founded a new dynasty, the Ming, which you will read about in Chapter 19.

Decline of the Mongol Empire  By the time of the collapse of the Yuan Dynasty, the entire Mongol Empire had disintegrated. The government of the Ilkhanate in Persia fell apart in the 1330s. The Chagatai khans ruled Central Asia until the 1370s. Only the Golden Horde in Russia stayed in power. The Golden Horde ruled Russia for 250 years. As you read in Chapter 11, Ivan III finally led Russia to independence from Mongol rule in 1480.

The rise and fall of Mongol rule affected civilizations from eastern Europe to China. Kublai Khan had tried to extend this influence to Japan but had failed. However, several centuries earlier, the Japanese had embraced the influence of an outside culture—China. This development is described in Section 4.
Feudal Powers in Japan

**MAIN IDEA**

**RELIGIOUS AND ETHICAL SYSTEMS**

Japanese civilization was shaped by cultural borrowing from China and the rise of feudalism and military rulers.

**WHY IT MATTERS NOW**

An openness to adapting innovations from other cultures is still a hallmark of Japanese society.

**TERMS & NAMES**

- Shinto
- samurai
- Bushido
- shogun

**SETTING THE STAGE**

Japan lies east of China, in the direction of the sunrise. In fact, the name Japan comes from the Chinese word *ri-ben*, which means “origin of the sun” or “land of the rising sun.” From ancient times, Japan had borrowed ideas, institutions, and culture from the Chinese people. Japan’s genius was its ability to take in new ideas and make them uniquely its own.

**The Growth of Japanese Civilization**

Japan’s island location shaped the growth of its civilization. About 120 miles of water separates Japan from its closest neighbor, Korea, and 500 miles of water separates Japan from China. The Japanese were close enough to feel the civilizing effect of China. Yet they were far enough away to be reasonably safe from invasion.

The Geography of Japan

About 4,000 islands make up the Japanese archipelago (*AHR*+*kuh*+*PEHL*+*uh*+*GOH*), or island group, that extends in an arc more than 1,200 miles long. Historically, most Japanese people have lived on the four largest islands: Hokkaido (*hah*+*KY*+*doh*), Honshu (*HAHN*+*shoo*), Shikoku (*shee*+*KAW*+*koo*), and Kyushu (*kee*+*OO*+*shoo*).

Japan’s geography has both advantages and disadvantages. Southern Japan enjoys a mild climate with plenty of rainfall. The country is so mountainous, however, that only about 12 percent of the land is suitable for farming. Natural resources such as coal, oil, and iron are in short supply. During the late summer and early fall, strong tropical storms called typhoons occur. Earthquakes and tidal waves are also threats.

Early Japan

The first historic mention of Japan comes from Chinese writings of the first century B.C. Japan at this time was not a united country. Instead, hundreds of clans controlled their own territories. Each clan worshiped its own nature gods and goddesses. In different parts of Japan, people honored thousands of local gods. Their varied customs and beliefs eventually combined to form Japan’s earliest religion. In later times, this religion was called Shinto (*SHIHNH*+*toh*), meaning “way of the gods.”

Shinto was based on respect for the forces of nature and on the worship of ancestors. Shinto worshipers believed in *kami*, divine spirits that dwelled in nature. Any unusual or especially beautiful tree, rock, waterfall, or mountain was considered the home of a *kami*.
The Yamato Emperors By the A.D. 400s, the Yamato clan had established itself as the leading clan. The Yamato claimed to be descended from the sun goddess Amaterasu. By the seventh century, the Yamato chiefs called themselves the emperors of Japan. The early emperors did not control the entire country, or even much of it, but the Japanese gradually accepted the idea of an emperor.

Although many of the Yamato rulers lacked real power, the dynasty was never overthrown. When rival clans fought for power, the winning clan claimed control of the emperor and then ruled in the emperor’s name. Japan had both an emperor who served as a figurehead and a ruling power who reigned behind the throne. This dual structure became an enduring characteristic of Japanese government.

Japanese Culture

During the 400s, the Japanese began to have more and more contact with mainland Asia. They soon came under the influence of Chinese ideas and customs, which they first learned about from Korean travelers.

Buddhism in Japan One of the most important influences brought by Korean travelers was Buddhism. In the mid-700s, the Japanese imperial court officially accepted Buddhism in Japan. By the eighth or ninth century, Buddhist ideas and worship had spread through Japanese society. The Japanese, however, did not give up their Shinto beliefs. Some Buddhist rituals became Shinto rituals, and some Shinto gods and goddesses were worshiped in Buddhist temples.

Cultural Borrowing from China Interest in Buddhist ideas at the Japanese court soon grew into an enthusiasm for all things Chinese. The most influential convert to Buddhism was Prince Shotoku (shoh•toh•ku), who served as regent for his aunt, the empress Suiko. (A regent is someone who rules when a monarch is absent, ill, or too young to rule.) In 607, Prince Shotoku sent the first of three missions to China. His people studied Chinese civilization firsthand. Over the next 200 years, the Japanese sent many such groups to learn about Chinese ways.

The Japanese adopted the Chinese system of writing. Japanese artists painted landscapes in the Chinese manner. The Japanese also followed Chinese styles in the simple arts of everyday living, such as cooking, gardening, drinking tea, and hairdressing. For a time, Japan even modeled its government on China’s. Prince Shotoku planned a strong central government like that of the Tang rulers. He also tried to introduce China’s civil-service system. However, this attempt failed. In Japan, noble birth remained the key to winning a powerful position. Unlike China, Japan continued to be a country where a few great families held power.

The Japanese adapted Chinese ways to suit their own needs. While they learned much, they still retained their own traditions. Eventually, the Japanese imperial court decided it had learned enough from Tang China. In the late ninth century, it ended formal missions to the Tang Empire, which had fallen into decline. Although Chinese cultural influence would remain strong in Japan, Japan’s own culture was about to bloom.
Life in the Heian Period

In the late 700s, the imperial court moved its capital from Nara to Heian (HA•Y•ahn), the modern Kyoto (kee•OH•toh). Many of Japan’s noble families also moved to Heian. Among the upper class in Heian, a highly refined court society arose. This era in Japanese history, from 794 to 1185, is called the Heian period.

Gentlemen and ladies of the court filled their days with elaborate ritual and artistic pursuits. Rules dictated every aspect of court life—the length of swords, the color of official robes, forms of address, even the number of skirts a woman wore. Etiquette was also extremely important. Laughing aloud in public, for example, was frowned upon. And everyone at court was expected to write poetry and to paint.

The best accounts of Heian society come from the diaries, essays, and novels written by the women of the court. One of the finest writers of the period was Lady Murasaki Shikibu. Lady Murasaki’s 11th-century masterpiece, The Tale of Genji, is an account of the life of a prince in the imperial court. This long prose narrative is considered the world’s first novel.

Feudalism Erodes Imperial Authority

During the Heian period, Japan’s central government was relatively strong. However, this strength was soon to be challenged by great landowners and clan chiefs who acted more and more as independent local rulers.

Decline of Central Power For most of the Heian period, the rich Fujiwara family held the real power in Japan. By about the middle of the 11th century, however, the power of the central government and the Fujiwaras began to slip.

Large landowners living away from the capital set up private armies. The countryside became lawless and dangerous. Armed soldiers on horseback preyed on farmers and travelers, and pirates took control of the seas. For safety, farmers and

Women of the Heian Court

The Tale of Genji picture scroll—an illustrated version of the story—provides insights into the life of women at the Heian court. Since servants did almost all domestic chores, upper class women had much leisure time. How did they spend this time?

1. Because women were expected to look attractive, they spent time on personal grooming, such as hair care.

2. Women spent much time reading, usually the monogatari, or prose fiction, popular at the time. As the prince notes in The Tale of Genji, “Without these monogatari how on earth would [women entertain themselves] during these tedious hours?”

SKILLBUILDER: Interpreting Visual Sources

1. Drawing Conclusions From what you have read about Heian court life, why do you think women spent so much time in personal grooming?

2. Making Inferences Based on what you have read, in what other ways might the women of the Heian court have spent their time?
Japanese Samurai

Samurai were members of Japan’s warrior class. Early samurai protected local aristocratic landowners. In the late 1100s, however, the warrior class secured national power and dominated Japanese government until 1868.

Samurai warriors followed an unwritten code that emphasized honor, bravery, and loyalty. This code came to be known as Bushido. Their reputation as fearsome warriors has become legendary.

- **Helmets** were made from iron plates to repel sword blows.
- **An iron mask** was sometimes worn not only to protect the face, but to frighten the samurai’s enemy as well.
- **Samurai swords** were made by skilled artisans. The curvature of the blade makes the weapon more effective when slashing.
- **Individual iron plates** provided protection and freedom of movement when in combat. As you can see, a samurai’s armor was often richly decorated.

▲ **Female Samurai**

Samurai were not always men. Here, Lady Tomoe Gozen, a famous female warrior of the 1180s, enters bravely into battle.

▲ **Samurai Warrior**

In combat, a samurai’s life depended on his skill and his equipment. Here you can see how the samurai’s weapons and armor aided him or her in battle.

**SKILLBUILDER:**
**Interpreting Visual Sources**
1. **Comparing and Contrasting** What are some similarities or differences between Japanese samurai and European knights?
2. **Hypothesizing** How might the code of the Samurai help them in battle?
small landowners traded parts of their land to strong warlords in exchange for protection. With more land, the lords gained more power. This marked the beginning of a feudal system of localized rule like that of ancient China and medieval Europe.

**Samurai Warriors** Since wars between rival lords were commonplace, each lord surrounded himself with a bodyguard of loyal warriors called samurai (SAM•uh•RAY). (Samurai means “one who serves.”) Samurai lived according to a demanding code of behavior called Bushido (BUSH•ih•DOH), or “the way of the warrior.” A samurai was expected to show reckless courage, reverence for the gods, fairness, and generosity toward those weaker than himself. Dying an honorable death was judged more important than living a long life.

**The Kamakura Shogunate** During the late 1100s, Japan’s two most powerful clans fought for power. After almost 30 years of war, the Minamoto family emerged victorious. In 1192, the emperor gave a Minamoto leader named Yoritomo the title of shogun, or “supreme general of the emperor’s army.” In effect, the shogun had the powers of a military dictator.

Following tradition, the emperor still reigned from Kyoto. (Kyoto was rebuilt on the ruins of Heian, which had been destroyed in war.) However, the real center of power was at the shogun’s military headquarters at Kamakura (KAHM•uh•KUR•uh). The 1200s are known in Japanese history as the Kamakura shogunate. The pattern of government in which shoguns ruled through puppet emperors lasted in Japan until 1868.

The Kamakura shoguns were strong enough to turn back the two naval invasions sent by the great Mongol ruler Kublai Khan in 1274 and 1281. However, the Japanese victory over the Mongols drained the shoguns’ treasury. Loyal samurai were bitter when the government failed to pay them. The Kamakura shoguns lost prestige and power. Samurai attached themselves more closely to their local lords, who soon fought one another as fiercely as they had fought the Mongols.

Although feudal Japan no longer courted contact with China, it would continue to absorb Chinese ideas and shape them into the Japanese way. As you will read in Section 5, China’s culture also influenced Korea and kingdoms of Southeast Asia.
Kingdoms of Southeast Asia and Korea

**MAIN IDEA**
CULTURAL INTERACTION
Several smaller kingdoms prospered in East and Southeast Asia, a region culturally influenced by China and India.

**WHY IT MATTERS NOW**
Chinese cultural influences still affect East and Southeast Asia today.

**TERMS & NAMES**
- Khmer Empire
- Angkor Wat
- Koryu Dynasty

**SETTING THE STAGE**
To the south of China lies the region called Southeast Asia. It includes the modern countries of Myanmar (Burma), Laos, Cambodia, Vietnam, Malaysia, Indonesia, Thailand, Singapore, Brunei, and the Philippines. Thousands of miles from this region, to China’s northeast, lies the Korean peninsula. This peninsula is currently divided between North Korea and South Korea. In the shadow of powerful China, many small but prosperous kingdoms rose and fell in Southeast Asia and Korea.

**Kingdoms of Southeast Asia**
In Southeast Asia’s river valleys and deltas and on its islands, many kingdoms had centuries of glory and left monuments of lasting beauty.

**Geography of Southeast Asia**
Southeast Asia lies between the Indian and Pacific oceans and stretches from Asia almost to Australia. It consists of two main parts: (1) Indochina, the mainland peninsula that borders China to the north and India to the west, and (2) the islands, the largest of which include Sumatra, Borneo, and Java. All of Southeast Asia lies within the warm, humid tropics. Monsoon winds bring the region heavy seasonal rains.

Seas and straits separate the islands of Southeast Asia. On the mainland, five great rivers flow from the north and cut valleys to the sea. Between the valleys rise hills and mountains, making travel and communication difficult. Over time, many different peoples settled the region, so it was home to many cultures.

Throughout Southeast Asia’s history, the key to political power often has been control of trade routes and harbors. This is because Southeast Asia lies on the most direct sea route between the Indian Ocean and the South China Sea. Two important waterways connect the two seas: the Strait of Malacca, between the Malay Peninsula and Sumatra, and the Sunda Strait, between Sumatra and Java.

**Influence of India and China**
Indian merchant ships, taking advantage of the monsoon winds, began arriving in Southeast Asia by the first century A.D. In the period that followed, Hindu and Buddhist missionaries spread their faiths to the region. In time, kingdoms arose that followed these religions and were modeled on Indian political ideas. Gradually, Indian influence shaped many aspects of the region’s culture. This early Indian influence on Southeast Asia is evident today in the region’s religions, languages, and art forms.
Chinese ideas and culture spread southward in the region through migration and trade. At different times, the Chinese also exerted political influence over parts of mainland Southeast Asia, either through direct rule or by demanding tribute from local rulers.

**The Khmer Empire** The Khmer (kmair) Empire, in what is now Cambodia, was for centuries the main power on the Southeast Asian mainland. By the 800s, the Khmer had conquered neighboring kingdoms and created an empire. This empire reached the peak of its power around 1200.

Improved rice cultivation helped the Khmer become prosperous. The Khmer built elaborate irrigation systems and waterways. These advances made it possible to grow three or four crops of rice a year in an area that had previously produced only one.

At their capital, Angkor, Khmer rulers built extensive city-and-temple complexes. One of these, called Angkor Wat, is one of the world’s greatest architectural achievements. The complex, which covers nearly a square mile, was built as a symbolic mountain dedicated to the Hindu god Vishnu. The Khmer also used it as an observatory.

**Island Trading Kingdoms** Powerful kingdoms also developed on Southeast Asia’s islands. For example, a dynasty called Sailendra ruled an agricultural kingdom on the island of Java. The Sailendra kings left behind another of the world’s great architectural monuments, the Buddhist temple at Borobudur. Built around 800, this temple—like Angkor Wat—reflects strong Indian influence. The massive complex has nine terraced levels like a stepped pyramid.

The Sailendra Dynasty eventually fell under the domination of the powerful island empire of Srivijaya. At its height from the 7th to the 13th centuries, Srivijaya ruled the Strait of Malacca and other waters around the islands of Sumatra, Borneo, and Java. It grew wealthy by taxing the trade that passed through its waters. The

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**GEORGRAPHY SKILLBUILDER: Interpreting Maps**

1. **Location** Where is the Strait of Malacca and why is it important to trade?
2. **Movement** Name one way Chinese culture might have spread around Southeast Asia.
Srivijayas established their capital, Palembang, on Sumatra. Palembang became a great center of Buddhist learning, where Chinese monks could study instead of traveling to India.

**Dai Viet** The people of Southeast Asia least influenced by India were the Vietnamese. Located in the coastal region just south of China, Vietnam fell under Chinese domination. Around 100 B.C., during the mighty Han Dynasty, China took northern Vietnam. When China’s Tang Dynasty weakened in the early A.D. 900s, Vietnam managed to break away. It became an independent kingdom, known as Dai Viet, in 939.

The Vietnamese absorbed many Chinese cultural influences, including Buddhism and ideas about government. However, they also preserved a strong spirit of independence and kept their own cultural identity. Vietnamese women, for example, traditionally had more freedom and influence than their Chinese counterparts.

Rulers of the Ly Dynasty (1009–1225) located their capital at Hanoi, on the Red River delta. They established a strong central government, encouraged agriculture and trade, and greatly improved road and river transportation. The changes made by the Ly continued to influence life in Vietnam long after they fell from power.

**Korean Dynasties**

According to a Korean legend, the first Korean state was founded by the hero Tan’gun, whose father was a god and whose mother was a bear. Another legend relates that it was founded by a royal descendant of the Chinese Shang Dynasty. These legends reflect two sides of Korean culture. On one hand, the Koreans were a distinct people who developed their own native traditions. On the other hand, their culture was shaped by Chinese influences from early dynastic times. However, like the Japanese, the Koreans adapted borrowed culture to fit their own needs and maintained a distinct way of life.

**Geography of Korea** Korea is located on a peninsula that juts out from the Asian mainland toward Japan. It is about the same size as the state of Utah. Korea’s climate is hot in the summer and very cold in the winter. Like Japan, Korea is a mountainous land, and only a limited portion of the peninsula can be farmed. A mountainous barrier lies between Korea and its northern neighbor, Manchuria. Because of the mountains and the seas, Korea developed somewhat in isolation from its neighbors.

**Early History** In early Korea, as in early Japan, different clans or tribes controlled different parts of the country. In 108 B.C., the Han empire conquered much of Korea and established a military government there. Through the Chinese, Koreans learned about such ideas as centralized government, Confucianism, Buddhism, and writing. During Han rule, the various Korean tribes began to gather together into federations. Eventually, these federations developed into three rival kingdoms. In the mid-600s, one of these kingdoms, the Silla, defeated the other kingdoms, drove out the Chinese, and gained control of the whole Korean peninsula.

Under Silla rule, the Koreans built Buddhist monasteries and produced elegant stone and bronze sculptures. They also developed a writing system suitable for writing Korean phonetically though still using Chinese characters.

**The Koryu Dynasty** By the tenth century, Silla rule had weakened. Around 935, a rebel officer named Wang Kon gained control of the country and became king.
named his new dynasty Koryu. The Koryu Dynasty lasted four and a half centuries, from 935 to 1392.

The Koryu Dynasty modeled its central government after China’s. It also established a civil service system. However, this system did not provide the social mobility for Koreans that it did for the Chinese. Koryu society was sharply divided between a landed aristocracy and the rest of the population, including the military, commoners, and slaves. Despite the examination system, the sons of nobles received the best positions, and these positions became hereditary.

The Koryu Dynasty faced a major threat in 1231, when the Mongols swept into Korea. They demanded a crushing tribute including 20,000 horses, clothing for 1 million soldiers, and many children and artisans, who were to be taken away as slaves. The harsh period of Mongol occupation lasted until the 1360s, when the Mongol Empire collapsed.

In 1392, a group of scholar-officials and military leaders overthrew the Koryu Dynasty and instituted land reforms. They established a new dynasty, called the Choson (or Yi) Dynasty, which would rule for 518 years.

Koryu Culture The Koryu period produced great achievements in Korean culture. Inspired by Song porcelain artists, Korean printers produced the much-admired celadon pottery, famous for its milky green glaze. Korean artisans produced one of the great treasures of the Buddhist world—many thousands of large wooden blocks for printing all the Buddhist scriptures. This set of blocks was destroyed by the Mongols, but the disaster sparked a national effort to re-create them. The more than 80,000 blocks in the new set remain in Korea today.
Tang and Song China: People and Technology

The Tang and Song dynasties were eras of major technological advancement in China. The technologies improved China as a country and, in turn, helped people conduct their daily business.

Much of China’s technology spread to other parts of the world where it improved the lives of the people living there. The table on this page identifies some of that movement.

**Porcelain**

Marco Polo was the first to describe the pottery found in China as porcelain. The plain piece shown here is an early example of porcelain work from the Song Dynasty. A piece like this might be used daily. Later porcelain work, such as the distinctive blue and white porcelain of the Ming Dynasty, became more decorative. Porcelain, however, was a luxury reserved for the middle and upper classes of Chinese society.

### Inventions of Tang and Song China

<table>
<thead>
<tr>
<th>Invention</th>
<th>Description</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Porcelain</strong></td>
<td>Bone-hard, white ceramic made of a special clay and a mineral found only in China</td>
<td>Became a valuable export—so associated with Chinese culture that it is now called China; technology remained a Chinese secret for centuries</td>
</tr>
<tr>
<td><strong>Mechanical clock</strong></td>
<td>Clock in which machinery (driven by running water) regulated the movements</td>
<td>Early Chinese clocks short-lived; idea for mechanical clock carried by traders to medieval Europe</td>
</tr>
<tr>
<td>700s</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Printing</strong></td>
<td>Block printing: one block on which a whole page is cut; movable type: individual characters arranged in frames, used over and over</td>
<td>Printing technology spread to Korea and Japan; movable type also developed later in Europe</td>
</tr>
<tr>
<td>Block printing: 700s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Movable type: 1040</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Explosive powder</strong></td>
<td>Made from mixture of saltpeter, sulfur, and charcoal</td>
<td>First used for fireworks, then weapons; technology spread west within 300 years</td>
</tr>
<tr>
<td>800s</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Paper money</strong></td>
<td>Paper currency issued by Song government to replace cumbersome strings of metal cash used by merchants</td>
<td>Contributed to development of large-scale commercial economy in China</td>
</tr>
<tr>
<td>1020s</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Magnetic compass (for navigation)</strong></td>
<td>Floating magnetized needle that always points north-south; device had existed in China for centuries before it was adapted by sailors for use at sea</td>
<td>Helped China become a sea power; technology quickly spread west</td>
</tr>
<tr>
<td>1100s</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SKILLBUILDER: Interpreting Charts**

1. **Making Inferences** Which inventions eventually affected warfare and exploration?

2. **Forming and Supporting Opinions** Which of these inventions do you think had the greatest impact on history? Why?
1. Forming and Supporting Opinions
Of all the inventions listed on these pages, which do you think had the most lasting impact? Why?

2. Hypothesizing
What are some modern inventions that you believe will still have an impact 1,000 years from now?

Movable Type
Traditionally, an entire page of characters was carved into a block of wood from which prints were made. Pi Sheng, a Chinese alchemist, came up with the idea of creating individual characters that could be reused whenever needed. Later, a government official created rotating storage trays for the characters.

As you have read, Tang rulers restored China’s system of scholar-officials. Thus, education and printed materials became important to a larger part of Chinese society.

The trays allowed the typesetter to quickly find the characters. The typesetter would then order the characters in a tray that would be used to produce the printed pages. The two wheels held about 60,000 characters.

Explosive Powder
Around A.D. 900, Chinese alchemists first discovered that the right mixture of saltpeter, sulfur, and charcoal could be explosive. The Chinese initially used the powder for fireworks, then for military applications. It is now commonly referred to as gunpowder.

The device shown here is a modern reproduction of an ancient rocket launcher. The Chinese tied gunpowder charges to arrows, balanced them, and placed them in a holder. The holder helped aim the rockets, and its flared shape spread the rockets over a large area.

Explosive Powder
• In 2002, the United States imported over 90 percent of its fireworks from China.
• The largest single firework was used at a Japanese festival in 1988. It weighed over 1,000 pounds, and its burst was over half a mile wide.

Porcelain
• The United States imported 423,041 one-piece toilet bowls and tanks in 2002. Of those, 302,489 came from China.
• In 2001, a Chinese newspaper reported the production of possibly the world’s largest porcelain kettle—just under 10 feet tall, about 6 feet in diameter, and weighing 1.5 tons.

Printing
• The Library of Congress, the largest library in the world, has over 18 million books.
• The world’s best-selling book is the Bible. Since 1815, around 2.5 billion copies of the Bible have been sold.

LEGALITY OF TANG AND SONG CHINA
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Connect to Today
1. Forming and Supporting Opinions
Of all the inventions listed on these pages, which do you think had the most lasting impact? Why?

2. Hypothesizing
What are some modern inventions that you believe will still have an impact 1,000 years from now?
Chapter 12 Assessment

TERMS & NAMES
For each term or name below, briefly explain its connection to East Asia between 600 and 1350.

1. Tang Taizong 5. Marco Polo
2. Wu Zhao 6. Shinto
3. Genghis Khan 7. Angkor Wat

MAIN IDEAS
Tang and Song China Section 1 (pages 323–329)
9. Why was the reform of the civil service under the Tang so significant?
10. How did changes in agriculture support other developments during the Song Dynasty?

The Mongol Conquests Section 2 (pages 330–334)
11. Why were nomads and settled peoples sometimes in conflict?
12. What were the most important accomplishments of the Mongol Empire?

The Mongol Empire Section 3 (pages 335–338)
13. Explain how Kublai Khan treated his Chinese subjects.
14. How did Kublai Khan encourage trade?

Feudal Powers in Japan Section 4 (pages 339–343)
15. Describe the impact of Chinese culture on Japan.
16. How did feudalism develop in Japan?

Kingdoms of Southeast Asia and Korea Section 5 (pages 344–347)
17. Describe the two sources of prosperity for Southeast Asian empires.
18. What were the major accomplishments of the Koryu Dynasty?

CRITICAL THINKING
1. USING YOUR NOTES
Create diagrams to identify two results from these developments: (a) completion of the Grand Canal under the Sui, and (b) the use of compass at sea.

2. HYPOTHESIZING
How might history have been different if the Mongols had conquered all or most of Europe? Discuss the possible immediate and long-term consequences for Europe and the rest of the Mongol Empire.

3. IDENTIFYING PROBLEMS AND SOLUTIONS
This chapter describes the rise and fall of three Chinese dynasties. What recurring patterns appear in the decline of these dynasties? What advice, based on those patterns, might you give a Chinese emperor?

4. DRAWING CONCLUSIONS
How does Japanese adaptation of Buddhism illustrate the process of selective cultural borrowing?

VISUAL SUMMARY

East Asian Interaction with China

China

Japan
- Buddhism
- Writing system
- Civil service

Mongols
- Conquest of China
- Spread of Chinese ideas through Mongol Empire across Eurasia

Korea
- Buddhism
- Writing system
- Civil service
- Printing
- Porcelain

Southeast Asia
- Dai Viet: Buddhism, strong central government
- Other areas: spread of ideas through migration and trade
Use the quotation—part of a message sent by Kublai Khan to Japan’s imperial court—and your knowledge of world history to answer questions 1 and 2. Additional Test Practice, pp. S1–S33.

**PRIMARY SOURCE**

The Emperor of the Great Mongols addresses the King of Japan as follows: . . . I am sending you my envoys bearing my personal message. It is my hope that the communication between our two countries be opened and maintained and that our mutual friendship be established. A sage regards the whole world as one family; how can different countries be considered one family if there is not friendly communication between them? Is force really necessary to establish friendly relations? I hope that you will give this matter your most careful attention.

*Sung Lien*, quoted in *The Essence of Chinese Civilization*

1. What is Kublai Khan asking of the Japanese?
   A. to surrender without a fight
   B. to exchange prisoners of war
   C. to establish diplomatic relations with the Mongols
   D. to join the Mongols in a war against Europe

2. Which of the following best describes the tone of the message?
   A. mildly threatening
   B. funny
   C. extremely violent
   D. pleading

Use the map and your knowledge of world history to answer question 3.

3. During the Tang Dynasty, which areas of China were most densely populated?
   A. east and north
   B. west and south
   C. central China
   D. far west

**ALTERNATIVE ASSESSMENT**

1. **Interact with History**
   Through the activity on page 322, you looked at the importance of Chinese inventions in world history. (After reading the chapter, you may have recognized that this imaginary situation was inspired by the travels of Marco Polo.) Now that you have read the chapter, consider the impact of Chinese inventions and how they spread. Would you now choose a different invention? Is there any other invention you would choose instead of those on page 322? Discuss these questions with a small group.

2. **Writing About History**
   **Religious and Ethical Systems** Write a report on the Japanese religion of Shinto. Illustrate your report with photographs and sketches. In your report, consider the following:
   - essential Shinto beliefs
   - development of Shinto, especially the influence of Buddhism and Confucianism
   - Shinto rituals and shrines

**INTEGRATED TECHNOLOGY**

**TEST PRACTICE** Go to classzone.com
- Diagnostic tests
- Strategies
- Tutorials
- Additional practice

**NetExplorations: Chinese Healing Arts**
Go to NetExplorations at classzone.com to learn more about Chinese healing arts. Use the Internet to learn how Chinese and Western doctors treat a variety of common illnesses and how long these treatments have been common practice. You may want to include the following illnesses in your research:
- the common cold
- influenza
- asthma
- arthritis
Create a table comparing Chinese and Western treatments for these illnesses. Display the table online or in the classroom.