

Main Criteria: Pennsylvania Core and Academic Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 5

Correlation Options: Show Correlated

Pennsylvania Core and Academic Standards

Science

Grade: 5 - Adopted: 2010

SUBJECT / STANDARD AREA	PA.SI.	Science as Inquiry
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STANDARD AREA / STATEMENT SI.7. Analyze alternative explanations and understanding that science advances through legitimate skepticism.

Virtual Field Trips

Galapagos Islands

National Parks - Wyoming, Utah

SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.1.	Biological Sciences
STANDARD	3.1.A.	Organisms and Cells

DESCRIPTOR / STANDARD 3.1.5.A3. Compare and contrast the similarities and differences in life cycles of different organisms.

Virtual Field Trips

Galapagos Islands

Grade 4 - West Region Geography

How Coral Reefs Are Formed

SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.1.	Biological Sciences
STANDARD	3.1.C.	Evolution

DESCRIPTOR / STANDARD 3.1.5.C1. Describe how organisms meet some of their needs in an environment by using behaviors (patterns of activities) in response to information (stimuli) received from the environment.

Virtual Field Trips

African Safari

Amazon Rainforest - Grades 2-5

Amazon Rainforest - Grades 6-8

Canada: Coast to Coast

Galapagos Islands

Grade 4 - Southwest Region Early Beginnings

Grade 4 - West Region Geography

How Coral Reefs Are Formed

National Parks - Alaska & Hawaii

National Parks - Nevada, California

The Sahara Desert

Who Lives On a Coral Reef?

SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.3.	Earth and Space Sciences
STANDARD	3.3.A.	Earth Structure, Processes and Cycles

DESCRIPTOR /
STANDARD 3.3.5.A1. Describe how landforms are the result of a combination of destructive forces such as erosion and constructive erosion, deposition of sediment, etc.

Virtual Field Trips

Galapagos Islands

Grade 4 - Midwest Region Today

Grade 4 - Southwest Region Early Beginnings

Grade 4 - West Region Landforms

National Parks - Alaska & Hawaii

National Parks - Washington, Oregon, Idaho, Montana, Colorado

National Parks - Wyoming, Utah

DESCRIPTOR /
STANDARD 3.3.5.A2. Describe the usefulness of Earth's physical resources as raw materials for the human made world.

Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

Galapagos Islands

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Northeast

Grade 4 - Southwest Region Early Beginnings

Grade 4 - West Region Early Beginnings

Grade 4 - West Region Geography

Grade 4 - West Region Today

National Parks - Alaska & Hawaii

The Sahara Desert

DESCRIPTOR /
STANDARD 3.3.5.A5a Differentiate between weather and climate.

Virtual Field Trips

Amazon Rainforest - Grades 2-5

Amazon Rainforest - Grades 6-8

Canada: Coast to Coast

Canada: Our Northern Neighbor

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Northeast

Grade 4 - Southwest Region Early Beginnings

Grade 4 - West Region Geography

National Parks - Nevada, California

The Sahara Desert

SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.4.	Technology and Engineering Education
STANDARD	3.4.A.	The Scope of Technology

DESCRIPTOR / STANDARD	3.4.5.A1.	Explain how people use tools and techniques to help them do things. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8
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DESCRIPTOR / STANDARD	3.4.5.A3.	Describe how technologies are often combined. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8
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SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.4.	Technology and Engineering Education
STANDARD	3.4.B.	Technology and Society

DESCRIPTOR / STANDARD	3.4.5.B1.	Explain how the use of technology can have unintended consequences. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands Grade 4 - Midwest Region Today Grade 4 - Northeast Grade 4 - Southwest Region Today Grade 4 - West Region Early Beginnings Grade 4 - West Region Today National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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DESCRIPTOR / STANDARD	3.4.5.B2.	Describe how waste may be appropriately recycled or disposed of to prevent unnecessary harm to the environment. Virtual Field Trips Who Lives On a Coral Reef?
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DESCRIPTOR / STANDARD	3.4.5.B4.	Identify how the way people live and work has changed history in terms of technology. Virtual Field Trips Grade 4 - Midwest Region Early Beginnings Grade 4 - Northeast Grade 4 - West Region Early Beginnings
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SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.4.	Technology and Engineering Education
STANDARD	3.4.C.	Technology and Engineering Design

DESCRIPTOR / STANDARD	3.4.5.C3.	Identify how invention and innovation are creative ways to turn ideas into real things.
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Virtual Field Trips
 Ancient China - Qin & Han Dynasties
 Ancient China - Shang & Zhou Dynasties
 Grade 4 - Midwest Region Early Beginnings
 Grade 4 - Northeast
 Grade 4 - West Region Early Beginnings

SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.4.	Technology and Engineering Education
STANDARD	3.4.D.	Abilities for a Technological World

DESCRIPTOR / STANDARD	3.4.5.D3.	Determine if the human use of a product or system creates positive or negative results.
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Virtual Field Trips
 Amazon Rainforest - People and Threats - Grades 2-5
 Amazon Rainforest - People and Threats - Grades 6-8
 Galapagos Islands
 Grade 4 - Midwest Region Today
 Grade 4 - Northeast
 Grade 4 - Southwest Region Today
 Grade 4 - West Region Early Beginnings
 Grade 4 - West Region Today
 National Parks - Alaska & Hawaii
 National Parks - Nevada, California
 National Parks - Washington, Oregon, Idaho, Montana, Colorado
 National Parks - Wyoming, Utah

SUBJECT / STANDARD AREA	PA.3.	Science and Technology and Engineering Education
STANDARD AREA / STATEMENT	3.4.	Technology and Engineering Education
STANDARD	3.4.E.	The Designed World

DESCRIPTOR / STANDARD	3.4.5.E2.	Understand that there are many different tools necessary to maintain an ecosystem, whether natural or manmade.
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Virtual Field Trips
 Amazon Rainforest - People and Threats - Grades 2-5
 Amazon Rainforest - People and Threats - Grades 6-8
 Grade 4 - West Region Today
 National Parks - Nevada, California

DESCRIPTOR / STANDARD	3.4.5.E3.	Explain how tools, machines, products, and systems use energy in order to do work.
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Virtual Field Trips
 Amazon Rainforest - People and Threats - Grades 2-5
 Amazon Rainforest - People and Threats - Grades 6-8
 Grade 4 - Northeast
 Grade 4 - West Region Today

DESCRIPTOR / STANDARD	3.4.5.E5.	Examine reasons why a transportation system may lose efficiency or fail (e.g., one part is missing or malfunctioning or if a subsystem is not working).
		Virtual Field Trips Grade 4 - Midwest Region Early Beginnings Grade 4 - Northeast Grade 4 - West Region Early Beginnings Grade 4 - West Region Today

DESCRIPTOR / STANDARD	3.4.5.E6.	Examine how manufacturing technologies have become an integral part of the engineered world.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor Grade 4 - Midwest Region Early Beginnings Grade 4 - Northeast Grade 4 - West Region Today

SUBJECT / STANDARD AREA	PA.4.	Environment and Ecology
STANDARD AREA / STATEMENT	4.1.	Ecology

STANDARD	4.1.5.A.	Describe the roles of producers, consumers, and decomposers within a local ecosystem.
		Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8

STANDARD	4.1.5.C.	Describe different food webs including a food web containing humans.
		Virtual Field Trips Galapagos Islands Who Lives On a Coral Reef?

STANDARD	4.1.5.D.	Explain the differences between threatened, endangered, and extinct organisms.
		Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands National Parks - Alaska & Hawaii The Sahara Desert

SUBJECT / STANDARD AREA	PA.4.	Environment and Ecology
STANDARD AREA / STATEMENT	4.2.	Watersheds and Wetlands

STANDARD	4.2.5.C.	Identify physical, chemical, and biological factors that affect water quality. Virtual Field Trips Who Lives On a Coral Reef?
SUBJECT / STANDARD AREA	PA.4.	Environment and Ecology
STANDARD AREA / STATEMENT	4.4.	Agriculture and Society

STANDARD	4.4.5.A.	Explain why animal production is dependent upon plant production. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8
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STANDARD	4.4.5.C.	Investigate the factors influencing plant and animal growth. (e.g., soil, water, nutrients, and light) Virtual Field Trips How Coral Reefs Are Formed
SUBJECT / STANDARD AREA	PA.4.	Environment and Ecology
STANDARD AREA / STATEMENT	4.5.	Humans and the Environment

STANDARD	4.5.5.C.	Explain the difference between point and non-point source pollution. Virtual Field Trips Who Lives On a Coral Reef?
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Pennsylvania Core and Academic Standards
Social Studies
Grade: **5** - Adopted: **2009**

SUBJECT / STANDARD AREA	PA.5.5.	Civics and Government
STANDARD AREA / STATEMENT	5.1.5.	Principles and Documents of Government
STANDARD		Laws and Government

DESCRIPTOR / STANDARD	5.1.5.B.	Describe the basic purposes of government in the classroom, school, community, state, and nation. Virtual Field Trips Barcelona
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SUBJECT / STANDARD AREA	PA.5.5.	Civics and Government
STANDARD AREA / STATEMENT	5.1.5.	Principles and Documents of Government
STANDARD		Documents and Ideals that Shape Pennsylvania and US Government

DESCRIPTOR / STANDARD	5.1.5.D.	Interpret key ideas about government found in significant documents:
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DESCRIPTOR 5.1.5.D.1. Declaration of Independence

Virtual Field Trips

Grade 4 - Northeast

SUBJECT / STANDARD AREA	PA.5.5.	Civics and Government
STANDARD AREA / STATEMENT	5.1.5.	Principles and Documents of Government
STANDARD		Symbols

DESCRIPTOR / STANDARD 5.1.5.F. Explain the significance of state symbols, national symbols, and national holidays.

Virtual Field Trips

Exploring Cuba

Grade 4 - Southwest Region Today

Grade 4 - West Region Today

Washington, DC - Grades K - 5

SUBJECT / STANDARD AREA	PA.5.5.	Civics and Government
STANDARD AREA / STATEMENT	5.4.5.	How International Relationships Function
STANDARD		Tools of Foreign Policy

DESCRIPTOR / STANDARD 5.4.5.B. Describe the difference between nation and country.

Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

SUBJECT / STANDARD AREA	PA.6.5.	Economics
STANDARD AREA / STATEMENT	6.4.5.	Economic Interdependence
STANDARD		Trade

DESCRIPTOR / STANDARD 6.4.5.B. Explain the growth in international trade.

Virtual Field Trips

Exploring Cuba

SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.1.5.	Basic Geographic Literacy
STANDARD		Geographic Tools

DESCRIPTOR / STANDARD	7.1.5.A.	Describe how common geographic tools are used to organize and interpret information about people, places, and environment.
		Virtual Field Trips African Safari Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba Grade 4 - Northeast Grade 4 - Southeast Region of the U.S. Grade 4 - Southwest Region Early Beginnings Grade 4 - Southwest Region Today Grade 4 - West Region Geography Grade 4 - West Region Today How Coral Reefs Are Formed London - City of Pomp & Majesty National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Paris - City of Light - Grades K - 5 The Sahara Desert Tokyo - City of Contrasts Who Lives On a Coral Reef?

SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.1.5.	Basic Geographic Literacy
STANDARD		Location of Places and Regions

DESCRIPTOR / STANDARD	7.1.5.B.	Describe and locate places and regions as defined by physical and human features. Virtual Field Trips African Safari Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Barcelona Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba Grade 4 - Midwest Region Early Beginnings Grade 4 - Midwest Region Today Grade 4 - Northeast Grade 4 - Southeast Region of the U.S. Grade 4 - Southwest Region Early Beginnings Grade 4 - Southwest Region Today Grade 4 - West Region Early Beginnings Grade 4 - West Region Geography Grade 4 - West Region Landforms Grade 4 - West Region Today London - City of Pomp & Majesty National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Paris - City of Light - Grades K - 5 The Sahara Desert Tokyo - City of Contrasts
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SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.2.5.	Physical Characteristics of Places and Regions
STANDARD		Physical Characteristics

DESCRIPTOR / STANDARD	7.2.5.A.	Describe the characteristics of places and regions. Virtual Field Trips African Safari Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Barcelona Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba Grade 4 - Midwest Region Early Beginnings Grade 4 - Midwest Region Today Grade 4 - Northeast Grade 4 - Southeast Region of the U.S. Grade 4 - Southwest Region Early Beginnings Grade 4 - Southwest Region Today Grade 4 - West Region Early Beginnings Grade 4 - West Region Geography Grade 4 - West Region Landforms Grade 4 - West Region Today London - City of Pomp & Majesty National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Paris - City of Light - Grades K - 5 The Sahara Desert Tokyo - City of Contrasts
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SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.2.5.	Physical Characteristics of Places and Regions
STANDARD		Physical Processes

DESCRIPTOR /
STANDARD

7.2.5.B. Identify the basic physical processes that affect the physical characteristics of places and regions.

Virtual Field Trips
Grade 4 - Northeast
Grade 4 - Southwest Region Early Beginnings
Grade 4 - West Region Geography
Grade 4 - West Region Landforms
National Parks - Alaska & Hawaii

SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.3.5.	Human Characteristics of Places and Regions
STANDARD		Human Characteristics

DESCRIPTOR /
STANDARD

7.3.5.A. Identify the human characteristics of places and regions using the following criteria:

DESCRIPTOR	7.3.5.A.1.	Population
		Virtual Field Trips Canada: Our Northern Neighbor Grade 4 - Northeast

DESCRIPTOR	7.3.5.A.2.	Culture
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Our Northern Neighbor Grade 4 - Northeast Grade 4 - West Region Early Beginnings

DESCRIPTOR	7.3.5.A.3.	Settlement
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor Grade 4 - Northeast

DESCRIPTOR	7.3.5.A.4.	Economic activities
		Virtual Field Trips Canada: Our Northern Neighbor Grade 4 - Northeast Grade 4 - West Region Geography

SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.4.5.	Interactions Between People and the Environment
STANDARD		Impact of Physical Systems on People

DESCRIPTOR / STANDARD	7.4.5.A.	Describe and explain the effects of the physical systems on people within regions.
		Virtual Field Trips Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor Grade 4 - Northeast Grade 4 - West Region Geography

SUBJECT / STANDARD AREA	PA.7.5.	Geography
STANDARD AREA / STATEMENT	7.4.5.	Interactions Between People and the Environment
STANDARD		Impact of People on Physical Systems

DESCRIPTOR / STANDARD	7.4.5.B.	Identify the effect of people on the physical systems within a community. Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8
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SUBJECT / STANDARD AREA	PA.8.5.	History
STANDARD AREA / STATEMENT	8.1.5.	Historical Analysis and Skills Development
STANDARD		Fact/Opinion and Points of View

DESCRIPTOR / STANDARD	8.1.5.B.	Classify and analyze fact and opinion from multiple points of view, and secondary sources as related to historical events. Virtual Field Trips Canada: Our Northern Neighbor Grade 4 - Northeast Grade 4 - West Region Geography
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SUBJECT / STANDARD AREA	PA.8.5.	History
STANDARD AREA / STATEMENT	8.2.5.	Pennsylvania History
STANDARD		Historical Documents, Artifacts, and Places (PA)

DESCRIPTOR / STANDARD	8.2.5.B.	Illustrate concepts and knowledge of historical documents, artifacts, and places critical to Pennsylvania history. Virtual Field Trips Grade 4 - Northeast
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SUBJECT / STANDARD AREA	PA.8.5.	History
STANDARD AREA / STATEMENT	8.3.5.	United States History
STANDARD		Contributions of Individuals and Groups (US History)

DESCRIPTOR / STANDARD	8.3.5.A.	Compare and contrast common characteristics of the social, political, cultural and economic groups in United States history. Virtual Field Trips Grade 4 - Northeast National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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SUBJECT / STANDARD AREA	PA.8.5.	History
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STANDARD AREA / STATEMENT	8.3.5.	United States History
STANDARD		Historical Documents and Artifacts (US History)

DESCRIPTOR / STANDARD 8.3.5.B. Illustrate concepts and knowledge of historical documents, artifacts, and places critical to United States history.

Virtual Field Trips

Grade 4 - Northeast

SUBJECT / STANDARD AREA	PA.8.5.	History
STANDARD AREA / STATEMENT	8.3.5.	United States History
STANDARD		Impact of Continuity and Change on US History
DESCRIPTOR / STANDARD	8.3.5.C.	Differentiate how continuity and change in U.S. history are formed and operate.

DESCRIPTOR 8.3.5.C.2. Commerce and industry

Virtual Field Trips

Grade 4 - Northeast

Grade 4 - Southeast Region of the U.S.

Grade 4 - West Region Geography

DESCRIPTOR 8.3.5.C.4. Politics and government

Virtual Field Trips

Washington, DC - Grades K - 5

DESCRIPTOR 8.3.5.C.5. Physical and human geography

Virtual Field Trips

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Midwest Region Today

Grade 4 - Northeast

Grade 4 - Southeast Region of the U.S.

Grade 4 - Southwest Region Early Beginnings

Grade 4 - Southwest Region Today

Grade 4 - West Region Early Beginnings

Grade 4 - West Region Geography

Grade 4 - West Region Landforms

Grade 4 - West Region Today

National Parks - Alaska & Hawaii

National Parks - Nevada, California

National Parks - Washington, Oregon, Idaho, Montana, Colorado

National Parks - Wyoming, Utah

Washington, DC - Grades K - 5

SUBJECT / STANDARD AREA	PA.8.5.	History
STANDARD AREA / STATEMENT	8.4.5.	World History
STANDARD		Historical Documents, Artifacts, and Sites (World)

DESCRIPTOR / STANDARD	8.4.5.B.	Illustrate concepts and knowledge of historical documents, artifacts, and sites, which are critical to World history.
		Virtual Field Trips
		Ancient China - Qin & Han Dynasties