

APHG

Unit V-Agriculture & Rural Land Use

Description of Unit (Source: *AP Human Geography Course Description*)

This section of the course explores four themes: the origin and spread of agriculture; the characteristics of the world’s agricultural regions; reasons why these regions function the way they do; and the impact of agricultural change on the quality of life and the environment. Students first examine centers where domestication originated and study the processes by which domesticates spread. This diffusion process makes clear why distinct regional patterns of diet, energy use, and agrarian technology emerged.

The course next examines Earth’s major agricultural production regions. Extensive activity (fishing, forestry, nomadic herding, ranching, shifting cultivation) and intensive activity (plantation agriculture, mixed crop/livestock systems, market gardening, horticulture, factory farms) are examined, as are settlement patterns and landscapes typical of each major agriculture type. In addition, students learn about land survey systems, environmental conditions, and cultural values that created and sustain the patterns.

Explanations for the location of agricultural activities are another major concern. Von Thünen’s land use model, agricultural change (e.g., the impact of factory farming on food supplies), and the distribution of crops and animals are also emphasized. The need for increased food supplies and the capacity to increase food production concludes this section.

Key Concepts & Resources

Unit V: Agriculture & Rural Land Use

Content/Unit Description	Percent of AP Exam	Text & Supplemental Readings	Time
<p>A. Development and diffusion of agriculture</p> <ol style="list-style-type: none"> 1. Neolithic Agricultural Revolution 2. Second Agricultural Revolution <p>B. Major agricultural production regions</p> <ol style="list-style-type: none"> 1. Agricultural systems associated with major bio-climatic zones 2. Variations within major zones and effects of markets 3. Linkages and flows among regions of food production and consumption <p>C. Rural land use and settlement patterns</p> <ol style="list-style-type: none"> 1. Models of land use, including von Thünen's model 2. Settlement patterns associated with major agriculture types <p>D. Modern commercial agriculture</p> <ol style="list-style-type: none"> 1. The Third Agricultural Revolution 2. Green Revolution 3. Biotechnology 4. Spatial organization and diffusion of industrial agriculture 5. Future food supplies and environmental impacts of agriculture 	<p>13-17%</p>	<p>de Blij Ch 11</p> <p>Kuby, Ch 8 “Food for Thought” Activities 1-3</p> <p><i>Guns, Germs & Steel</i>-Exerpts from Episode 1</p> <p><i>Power of Place</i> Episode 12: Small Farms, Big Cities (Japanese Rice Farming) Episode 23: Brazil: The Sleeping Giant (Sustainable Development of the Amazon) Episode 26: Regions & Economies (Irrigation & Water in the American West)</p> <p><i>The Green Revolution: Waging A War Against Hunger</i> (Youtube)</p> <p><i>Antibiotics in Food, CBS News, 2-10-10</i> (Youtube)</p> <p><i>New Strains of Old Diseases Prove Antibiotic Proof</i> (Youtube)</p>	<p>3 weeks</p>

Plans for Week of Feb 6-10

APHG

Monday	Tuesday	Wednesday	Thursday	Friday
<ol style="list-style-type: none"> Europe Map Quiz Return Unit IV Tests Venn Diagram: Compare/Contrast FRQ responses with high quality student work. Discuss Unit IV test Distribute Unit V vocabulary lists 	<ol style="list-style-type: none"> Return/Discuss Europe Map Quiz Distribute/Discuss AP Test Registration Packets Vocabulary Lists/Latin America Maps/Reading Time 	<ol style="list-style-type: none"> Bellringer: DYRT Review DYRT Quiz, Ch 11, Intro/Key 1 <i>Guns, Germs & Steel</i>: Preview Questions <i>Guns, Germs & Steel</i>: First Agricultural Revolution <p align="center"><u>AP Content</u> A1; B1</p>	<ol style="list-style-type: none"> Finish <i>Guns, Germs & Steel</i> video segment <i>Guns, Germs & Steel</i>: Summative Activity <p align="center">(Shortened Class Period Due to Assembly)</p> <p align="center"><u>AP Content</u> A1; B1</p>	<ol style="list-style-type: none"> Bellringer: Classify the following as primary, secondary, tertiary, quarternary & quinary economic activities. Discussion of Bellringer Discussion of <i>GGS</i>: Summative Activity Subsistence Farming in Modern World: Notes/Powerpoint <p align="center"><u>AP Content</u> A1; B1; C1,2</p>
<p><u>Assessment</u></p> <ol style="list-style-type: none"> Europe Map Quiz 	<p><u>Assessment</u></p> <ol style="list-style-type: none"> Ch 11, Intro/Key 1 DYRT Quiz on Wednesday 	<p><u>Assessment</u></p> <ol style="list-style-type: none"> DYRT Quiz <i>GGS</i>: Preview Questions 	<p><u>Assessment</u></p> <ol style="list-style-type: none"> <i>GGS</i> Summative Activity 	<p><u>Assessment</u></p> <ol style="list-style-type: none"> Bellringer DYRT Quiz (Ch 11, Key 2) on Monday.

Plans for Week of Feb 13-17

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Monday	Tuesday	Wednesday	Thursday	Friday
<p>1. Bellringer: DYRT Quiz Review</p> <p>2. DYRT Quiz: Ch 11, Key 2</p> <p>3. “Three Agricultural Revolutions” Jigsaw Activity</p> <p>4. Discussion of “Three Agricultural Revolutions” Activity</p> <p><u>AP Content</u> A1,2; B3; C1; D1, 2,3,4</p> <p><u>Assessment</u> 1. Ch 11, Key 2 DYRT Quiz 2. “Three Agricultural Revolutions” Activity</p>	<p>1. Bellringer: Complete the von Thunen Model & list the assumptions he made when designing the model.</p> <p>2. Applying von Thunen activity.</p> <p>3. Discussion of activity & application to US agricultural patterns.</p> <p><u>AP Content</u> B1, C1, D4</p> <p><u>Assessment</u> 1. Discussion of Von Thunen Activity</p>	<p>1. Videos w/ “A-Z” Graphic Organizer (Topics: Green Revolution, GMOs & Anti-Biotics in Food)</p> <p><i>The Green Revolution: Waging A War Against Hunger</i> (Youtube)</p> <p><i>Antibiotics in Food, CBS News, 2-10-10</i> (Youtube)</p> <p><i>New Strains of Old Diseases Prove Antibiotic Proof</i> (Youtube)</p> <p>2. Read/Vocabulary Ch 11, Key 3</p> <p>(Substitute Teacher due to Antonetti Conference)</p> <p><u>AP Content</u> B3; D1,2,3,5</p> <p><u>Assessment</u> 1. Written analysis of Norman Borlaug/Green Revolution on 2-16 2. Ch 11, Key 3 DYRT Quiz on 2-16</p>	<p>1. Video review/discussion.</p> <p>2. DYRT Quiz Review</p> <p>3. Ch 11, Key 3 DYRT Quiz/Analysis of Borlaug/Green Revolution</p> <p><u>AP Content</u> B3; D1,2,3,5 (Quiz) C2</p> <p><u>Assessment</u> 1. Written analysis of Norman Borlaug/Green Revolution 2. Ch 11, Key 3 DYRT Quiz</p>	<p>NO SCHOOL (PTC)</p> <p>NO SCHOOL (PTC)</p> <p>NO SCHOOL (PTC)</p>

Plans for Week of Feb 20-24

APHG

Monday	Tuesday	Wednesday	Thursday	Friday
<p>NO SCHOOL (PLC)</p> <p>NO SCHOOL (PLC)</p> <p>NO SCHOOL (PLC)</p>	<ol style="list-style-type: none"> Bellringer: Identify & explain examples of the three major survey systems in the US. Notes/Powerpoint: Survey Systems & Impact on Cultural Landscape Discussion: How does the impact of agriculture on the cultural landscape of the US & differ from its impact in most of the rest of the world? Images of agricultural villages, farms, etc from around the world. -Students identify dispersed/nucleated settlements including <i>rundling, walled & grid</i> villages. <p><u>AP Content</u> C1,2; D4</p> <p><u>Assessment</u> Discussion of Bellringer & agriculture's impact on cultural landscape.</p>	<ol style="list-style-type: none"> Bellringer: What is the purpose of an agricultural village? What is the purpose of the small towns distributed at regular intervals in the "American Breadbasket?" Discussion <i>Power of Place</i> #12: "Small Farms, Big Cities" Discussion of video & how Japanese rice farming relates to themes & key questions of Ch 11. <p><u>AP Content</u> B1; C1,2; D3,4,5;</p> <p><u>Assessment</u> 1. Discussion 2. Ch 11, Key 4 DYRT Quiz on 2-23</p>	<ol style="list-style-type: none"> DYRT Quiz Review Ch 11, Key 4 DYRT Quiz Analysis Question: "What is the relationship between climate patterns & agricultural patterns?" Notes/Powerpoint: Koppen Climate System <p><u>AP Content</u> B1,2; C2</p> <p><u>Assessment</u> 1. Ch 11, Key 4 DYRT Quiz. 2. Written response to analysis question.</p>	<ol style="list-style-type: none"> Bellringer: Where & in what climate regions are the following "cash crops" grown: coffee, sugar, cacao, cotton, rubber, tea, cattle, wheat, corn, citrus & grapes for wine. Discussion Notes/Powerpoint: Plantation Agriculture Around the World "Cost/Benefit Analysis of Plantation Agriculture" <p><u>AP Content</u> B1,2; C1, 2</p> <p><u>Assessment</u> 1. Bellringer/Discussion 2. Cost/Benefit Analysis of Plantation Agriculture</p>

Plans for Week of Feb 27-March2

APHG

Monday	Tuesday	Wednesday	Thursday	Friday
<p>1. Bellringer: How does commercial agriculture impact the environment & cultural landscape?</p> <p>2. Discussion</p> <p>3. Notes/Powerpoint: Urban Sprawl & Threats to Agricultural Production</p> <p>4. Review for Unit V Exam.</p> <p><u>AP Content</u> C2; D4, 5</p> <p><u>Assessment</u> 1. Bellringer 2. Unit V Exam</p>	<p>1. Unit V Exam: Free Response Section (50 Minutes)</p> <p>2. Review for Multiple Choice Section</p> <p><u>AP Content</u> A 1,2; B1,2,3; C1,2; D1,2,3,4,5</p> <p><u>Assessment</u> Unit V FRQ</p>	<p>1. In-Class Study for Multiple Choice Section</p> <p>2. Unit V Exam: Multiple Choice Section (30 Minutes)</p> <p><u>AP Content</u> A 1,2; B1,2,3; C1,2; D1,2,3,4,5</p> <p><u>Assessment</u> Unit V MC</p>	<p>1. Latin America Map Quiz</p> <p>2. Return/Discuss Unit V Exam</p> <p>3. Unit VI Terms & Australia/Oceania Maps</p>	<p>NEW</p> <p>UNIT</p> <p>NEW</p> <p>UNIT</p> <p>NEW</p> <p>UNIT</p>