

# Geography Agriculture Photo Essay

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Grade Level (Req.): 7th-12th grade	Content Area (Req.): Human Geography, Economics	Unit (Opt.):
Connections to Other Disciplines (Opt.):		
<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>		
Time Frame (Req.): 3 class periods and a weekend outside of class	Goal (Req.): To help students demonstrate their understanding of the 5 themes of geography.	
	Objective (Req.): Students will use the creativity of photography to show understanding of the 5 themes of geography.	
Materials Needed (Req.):	New Vocabulary (Opt.):	
<ul style="list-style-type: none"> <li>• Digital cameras</li> <li>• Printer</li> <li>• Posterboard</li> <li>• Glue sticks</li> <li>• Computer</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	
Anticipatory Set/Introduction [Inquiry Question is required] (Req.): Where do we actually see the 5 themes of geography in local agriculture?		
Instructional Sequence/Procedure (Req.):		
<ol style="list-style-type: none"> <li>1. Start the lesson by reviewing the Five Themes of Geography, including the sub-topics.</li> <li>2. Students will use a digital camera and take photographs illustrating the 5 themes. These will include (with example here in parentheses): Place (a photo of a farm); Location, both relative and absolute (address sign or a GPS screen); Human-Environmental Interaction, Use, Modify, and Adapt to (irrigation, working in the fields, working around an obstruction); Movement of Goods, Ideas, and People (wagons, HyVee); Regions (plants and animals unique to a region).</li> <li>3. Print the photos, arrange, and label them in a display.</li> <li>4. Present the display to classmates.</li> <li>5. Extending the Lesson: Options would include working in teams, preparing the presentations in electronic media, using photos from the Internet instead of taking photos, preparing artwork instead of using photos.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> <li>11.</li> <li>12.</li> <li>13.</li> <li>14.</li> </ol>		

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Formative Evaluation (Req.): Check for understanding throughout the project in regards to identifying the 5 themes in real world scenarios.

Assessment (Req.): Presentations, answering questions about the photos, and a test at the end where students identify the 5 themes in photos.

Iowa Core Curriculum Standards Used (Req.):

- Economics, grade 9-12: Understand the impact of advancing technologies on the global economy.
- Geography, grade 9-12: Understand the use of geographic tools to locate and analyze information about people, places, and environments.
- Geography, grade 9-12: Understand how human factors and the distribution of resources affect the development of society and the movement of populations.
- Geography, grade 9-12: Understand how physical and human processes shape the Earth’s surface and major ecosystems.
- Geography, grade 9-12: Understand how human actions modify the environment and how the environment affects humans.
- Geography, grade 9-12: Understand how culture affects the interaction of human populations through time and space.
- Geography, grade 9-12: Understand how cultural factors influence the design of human communities.
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Common Core Curriculum Standards Used (Opt.):

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NGS Standards Used (Req.):

- How to Use Maps and Other Geographic Representations, Tools, and Technologies to Acquire, Process, and Report Information From a Spatial Perspective
- How to Analyze the Spatial Organization of People, Places, and Environments on Earth’s Surface
- The Physical and Human Characteristics of Places
- That People Create Regions to Interpret Earth’s Complexity
- How Culture and Experience Influence People’s Perceptions of Places and Regions
- The Physical Processes That Shape the Patterns of Earth’s Surface
- The Characteristics and Spatial Distribution of Ecosystems on Earth’s Surface
- The Characteristics, Distribution, and Migration of Human Population on Earth’s Surface
- The Characteristics, Distribution, and Complexity of Earth’s Cultural Mosaics
- The Patterns and Networks of Economic Interdependence on Earth’s Surface
- The Processes, Patterns, and Functions of Human Settlement
- How the Forces of Cooperation and Conflict Among People Influence the Division and Control of

<p>Earth's Surface</p> <ul style="list-style-type: none"> <li>• How Human Actions Modify the Physical Environment</li> <li>• How Physical Systems Affect Human Systems</li> <li>• The Changes That Occur in the Meaning, Use, Distribution, and Importance of Resources</li> <li>• How to Apply Geography to Interpret the Past</li> <li>• How to Apply Geography to Interpret the Present and Plan for the Future</li> </ul>	
<p>Five Themes of Geography Used (Req.):</p> <ul style="list-style-type: none"> <li>• Location</li> <li>• Place</li> <li>• Human-Environmental Interaction</li> <li>• Movement</li> <li>• Region</li> </ul>	<p>School District Standards and Benchmarks (Opt.):</p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
<p>21<sup>st</sup> Century Universal Constructs (Opt.): Creativity</p>	
<p>Other Disciplinary Standards (Opt.):</p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	
<p>Other Essential Information (Opt.):</p>	
<p>Other Resources (Opt.):</p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	