

Area/Skill - Social Studies	Cognitive Skill Level - Application	Correlation to Framework - 02.06	Lesson Number - 29
<p><b>Activity Title - Grid Mania</b></p> <p><b>Goal/Objective</b></p> <p>To assist students in learning to read grids in order to determine the location of places on a map.</p> <p><b>Lesson Outline</b> <b>Introduction</b></p> <p>Begin the lesson by showing students different examples of grids. Have transparencies made of different grid formats found in newspapers, magazines, advertisements, maps, etc. Ask questions about the different examples of grids.</p> <p><b>Activity</b></p> <p>Divide students into small groups of four or five. Provide each group with a road map. Dependent on the map, give each group a list of coordinates to locate. Have each group identify what city, body of water, road, landmark, etc. is located at the specific coordinate given. The teacher may also wish to provide students with a list of cities and have the students identify the coordinates.</p> <p><b>Debriefing/Evaluation Activity</b></p> <p>Debrief the activity by having students “teach” the class how to read different grid coordinates. This will provide the class with a review of the lesson.</p>		<p><b>Materials/Texts/Realia/Handouts</b></p> <ul style="list-style-type: none"> <li>• Overhead projector</li> <li>• Transparencies of different examples of grids from newspapers, magazines, maps, etc.</li> <li>• Maps for students to use in group activity</li> <li>• Transparency or enlargement of a road map</li> <li>• Paper and pencils</li> </ul>	
<p><b>Real-Life Connection</b></p> <p>Brainstorm with students how they use grids in their workplace, community, or at home. Examples may include the use of maps, locating a seat at an event, needlework directions, location of a lot in a housing development, figuring square footage, etc.</p>		<p><b>Extension Activity</b></p> <p>Teach students to use a compass rose to identify direction on different types of maps. Make sure that the maps don't always show north at the top.</p> <p><b>ESE/ESOL Accommodations</b></p> <p>Have students work in groups.</p> <p>Provide a list of key words with their definitions.</p> <p>Highlight important information on the map, such as the directions, the grid marks, etc.</p> <p>Have students use a ruler or straight edge to help them locate specific places on a grid.</p>	

## GED 2002 Teachers' Handbook of Lesson Plans - Script

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<p data-bbox="58 215 436 245"><b>Activity Title - Grid Mania</b></p> <p data-bbox="58 280 233 310"><b>Introduction</b></p> <p data-bbox="58 345 1919 410"><i>Say:</i> It seems as if everywhere you look, you see examples of grids. Let's look at a few examples of grids that I have found in the local newspaper, magazines, advertisements, and even maps.</p> <p data-bbox="58 446 2007 544">Have transparencies already made of different types of grids. Show students how to read the different grid coordinates. This may require that you teach the <math>x</math> and <math>y</math>- axis, directions from a compass rose, or just the different amounts of space that each grid represents. After students are comfortable with the different types of grids, continue to the main activity.</p> <p data-bbox="58 579 243 609"><b>Main Activity</b></p> <p data-bbox="58 644 1955 709"><i>Say:</i> Before we begin today's activity, divide yourselves into small groups of four or five. Each of your groups will be given a map. Maps are real-life examples of the use of grids. Mapmakers plot the different locations based on a very intricate grid format. This ensures accuracy.</p> <p data-bbox="58 745 2003 842">Once the students are in their groups, provide them with different coordinates that they will need to locate. An example may be to identify which city is located at the coordinate B-14 on a specific map. Provide students with coordinates for cities, bodies of water, counties/parishes, roads, geographic landmarks, etc. The type of locations given will depend upon the maps used.</p> <p data-bbox="58 878 338 907"><b>Closure/Conclusion</b></p> <p data-bbox="58 943 1992 1008"><i>Say:</i> Now that you have learned to use the grid system, it is time to teach others. <i>Ask:</i> I need a volunteer to come up to the front of the room and teach the group how to locate a specific point.</p> <p data-bbox="58 1044 2003 1109">Have students take turns "teaching" the class how to find different locations on their maps. You may wish to have a transparency of the map for ease in teaching or an enlarged version of the map so the class can see the process the "teacher" is using.</p> <p data-bbox="58 1144 470 1174"><b>Follow-Up Lessons/Activities</b></p> <p data-bbox="58 1209 1883 1239"><i>Ask:</i> Now that you know how to locate different places on a map using the grid system, what other information can you obtain from this map?</p> <p data-bbox="58 1274 359 1304">Teach students how to:</p> <ul data-bbox="58 1307 1436 1404" style="list-style-type: none"><li>• Locate direction on different types of maps (N/S/E/W and NW/SW/NE/SE) and to use a compass rose</li><li>• Read different types of legends on maps and identify the different symbols</li><li>• Estimate the number of miles between various locations on a map</li></ul>			