

# Careers in Action

## Summer Teacher Internship/Lesson Plan Writing Project

This lesson has been endorsed by Javier Cantu, Asst. Port Director, US Customs & Border Protection

Servando L. Abad Jr.

Algebra 2

Summer 2007

**Teacher's Name**

**Course/Subject**

**Date(s)/Time**

|                |  |   |
|----------------|--|---|
| <b>Content</b> | <b>Objective(s)</b>  | <b>Career Concentration(s)</b>  |
|                | The learner will decide and create the correct type of graph from the given set of data from the US Customs and Border Protection (CBP) using the type of graph available in an Excel spread sheet software. | <input type="checkbox"/> Agricultural Science<br><input type="checkbox"/> Art, Communications & Media<br><input checked="" type="checkbox"/> Business & Marketing<br><input type="checkbox"/> Health Science Technology<br><input type="checkbox"/> Human Dev., Management & Services<br><input checked="" type="checkbox"/> Industrial and Engineering<br><input checked="" type="checkbox"/> Personal and Protective Services |

**TEKS Reference:** A.2B, A.2C, A.2D, 2A.1B

**TAKS Reference:** Objectives 2, 9 and 10

|                |   |   |   |   |                                     |                                     |                                     |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
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| <b>Process</b> | <b>Focus/Anticipatory Set</b>   | <b>Bloom's Taxonomy in Lesson</b>   | <b>Multiple Intelligences</b>   | <b>SCANS</b>  |                                     |                                     |                                     |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
|                | Short presentation about the relevance of computer skills in the US Customs and Border Protection (CBP) organization. | <input type="checkbox"/> Knowledge<br><input type="checkbox"/> Comprehension<br><input checked="" type="checkbox"/> Application<br><input type="checkbox"/> Analysis<br><input checked="" type="checkbox"/> Synthesis<br><input checked="" type="checkbox"/> Evaluation | <input type="checkbox"/> Linguistic<br><input type="checkbox"/> Logical/Math<br><input type="checkbox"/> Musical<br><input type="checkbox"/> Spatial<br><input checked="" type="checkbox"/> Bodily-Kinesthetic<br><input checked="" type="checkbox"/> Intrapersonal<br><input checked="" type="checkbox"/> Interpersonal<br><input type="checkbox"/> Naturalist | <table border="1"> <tr> <td rowspan="3" style="background-color: #00ffff; text-align: center; vertical-align: middle;">Foundation</td> <td></td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>1</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> | Foundation                          |                                     | A                                   | B                        | C | D | E | F | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <table border="1"> <tr> <td rowspan="5" style="background-color: #00ffff; text-align: center; vertical-align: middle;">Competencies</td> <td></td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>4</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>5</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> | Competencies |  | A | B | C | D | E | F | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Foundation     |   | A   | B   | C   |                                     | D                                   | E                                   | F                        |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
|                | 1   | <input type="checkbox"/>  | <input type="checkbox"/>  | <input checked="" type="checkbox"/>   |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
|                | 2   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
| 3              | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
| Competencies   |   | A   | B   | C   | D                                   | E                                   | F                                   |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
|                | 1   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
|                | 2   | <input type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
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|                | 4   | <input type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |
| 5              | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/>            |                                     |                          |   |   |   |   |   |                          |                          |                                     |                                     |                                     |                          |   |                                     |                                     |                                     |                          |                          |                                     |   |                                     |                          |                          |                                     |                                     |                          |                          |   |              |  |   |   |   |   |   |   |   |                                     |                          |                          |                          |                          |                          |   |                          |                                     |                          |                          |                          |                                     |   |                                     |                                     |                                     |                                     |                          |                          |   |                          |                                     |                                     |                          |                          |                          |   |                                     |                                     |                                     |                          |                          |

**Instructional Methodology (Activities)**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Lecture            | <input checked="" type="checkbox"/> Class/Group Discussion |
| <input checked="" type="checkbox"/> Teacher Modeling   | <input type="checkbox"/> Question/Answer                   |
| <input checked="" type="checkbox"/> Media Presentation | <input type="checkbox"/> Guided Practice                   |
| <input checked="" type="checkbox"/> Small Group        | <input checked="" type="checkbox"/> Independent Practice   |

**Instructional Material(s)**

Teacher created presentation and set of data from the US Customs and Border Protection (CBP)

**Detail(s) of Instructional Methodology (Activities)**

Viewing of the presentation. Brief review on the features of the Excel software that are needed to complete the task. Show students the sample output product they are expected to come up with. Allow students to work with minimum guidance on one given set of data while constantly monitoring their progress. Give the students another set of data to practice on independently. Graph must be completed by the end of the period.

**Materials/Resources**

computers, US Customs and Border Protection official website:  
URL:<http://www.cbp.gov>

**Use of Technology**

computer projector

**Accommodations**

Modifications will be based on the Individual Educational Plan (IEP) of the students.

|                |  |  |
|----------------|--|--|
| <b>Product</b> | <b>Assessment</b>  | <b>Bloom's Taxonomy in Assessment</b>  |
|                | <input checked="" type="checkbox"/> Teacher Evaluation<br><input type="checkbox"/> Employer Evaluation<br><input type="checkbox"/> Test/Quiz<br><input checked="" type="checkbox"/> Peer/Self Evaluation<br><input type="checkbox"/> Written/Oral Presentation<br><input checked="" type="checkbox"/> Others; <u>Output Graphs</u> | <input type="checkbox"/> Knowledge<br><input type="checkbox"/> Comprehension<br><input type="checkbox"/> Application<br><input type="checkbox"/> Analysis<br><input checked="" type="checkbox"/> Synthesis<br><input checked="" type="checkbox"/> Evaluation |
| <b>Product</b> | <b>Reteach Activity/Homework</b>   | <b>Lesson Closure</b>  |
|                | Another set of data will be given to students who were not able to have an output product and they will be closely monitored.  | What did you use to decide on the appropriate type of graph for a given set of data?   |