Product Explanation Sheet
Product: Create a Box-and-Whisker Plot Matching Game

Read all the steps before beginning.

- **Create your box-and-whisker plots (See WebQuest Steps 10-15)**
- **Make your Analysis Statement Cards**

1. Download the Analysis Statement Card PowerPoint.
   - On the top left of the page in the tool bar, click on “Edit” and then “Edit Slides.” This will let you type on the cards.
2. Select one of your printed box-and-whisker plots.
3. Think of three analysis statements about the box-and-whisker plot.
   - For example, from the graph above you could say:
     - The median is 68.
     - The middle 50% of the data is between 51 and 87.
     - The values between the lower extreme and lower quartile are the most spread out.
4. Select any three of the Analysis Statement Cards
5. Type one analysis statement on each card.
6. Repeat steps 2 through 5 for the remaining box-and-whisker plots you created.
7. Print the analysis statement cards. All 9 cards should be filled in.
8. Cut out the 9 analysis statement cards and the 3 box plots.
   - **Play the Box-and-Whisker Plot Matching Game**
     - Find a partner.
     - Trade analysis statement cards and box plots.
       - Make sure you’ve mixed them up!
     - Match the statements to the right box plots.
     - Check each other’s matches to make sure you agree.
     - If you disagree, figure out how to fix it together.
     - Find a different partner and try your skills again!
9. Turn in your box-and-whisker plots and analysis statements to your teacher.
10. Review the evaluation rubric to check if you have covered all criteria your product will be evaluated on.
11. Complete the reflection and feedback sections of the WebQuest.