SOLAR SYSTEM BOARD GAME
Checklist and Guidelines

Goal: Research, design, and create a game to demonstrate your knowledge of the solar system.

Key Points
- Groups of up to 4 students
- Each student will be assigned roles and be responsible for their work
- This will count as a Type 5 Collins Writing assignment (peer-reviewed and teacher-reviewed)
- Include 3 questions for each of the 12 destinations on your game board. Destinations can include any object (moon, planet, comet, probe, or other) in our solar system.
- Questions should be challenging but something that an 8th grader could answer.

Deadlines
- Brainstorming: Friday November 1, 2013 (completed at home) ________
- Research and cite factual information: Wednesday November 6, 2013 (due in school) ________
- Gather supplies: Wednesday November 6, 2013 (due in school) ________
- Build first version of game board: Wednesday November 6, 2013 (completed in-class) ________
- Peer-review and teacher-review: Friday November 8, 2013 (completed in-class) ________
- Final project: Tuesday November 12, 2013 (due in school) ________

Roles
All students must have an equal part in the research. Please write down the names of students in your group and the places(objects) that they are researching. Your group needs to research a total of 12 places or objects. Come up with 3 questions and answers for each place, and cite your sources.

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Places/Objects to Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>example: Mrs. Bailey</td>
<td>example: The Sun, Voyager 1, Eris, and Makemake</td>
</tr>
</tbody>
</table>

Resources
http://amazing-space.stsci.edu/resources/explorations/trading/
http://nineplanets.org/
Please divide up the following roles equally. You may share a role.

- **Artist** (draws and finalizes layout design): ____________________________
- **Editor** (checks for spelling, plagiarism, and accuracy of answers): ____________________________
- **Scribe** (finalizes printing of questions and answers): ____________________________
- **Rule Maker** (responsible for printing rules and making sure they are clear): ____________________________
- **Materials Manager** (selects, gathers and returns materials): ____________________________
- **Specifications Manager** (makes sure that all requirements are met): ____________________________
- **Other Role?** ____________________________

**Game Construction**

1. Provide your questions and answers to the Scribe (3 for each place or object). _____ **(Everyone)**
2. Write down your sources and give them to the Scribe (must be from a reputable website or book). _____ **(Everyone)**
3. Decide what is necessary to play the game (game board, die, cards, etc.). _____ **(Materials Manager)**
5. Use cardboard or other firm backing for your board. Game can be no larger than 12 inches by 18 inches (folded size). _____ **(Materials Manager and Specifications Manager)**
6. There should be a START, a FINISH, and at least 12 “destinations”, which can be places or objects in the solar system. _____ **(Specifications Manager)**
7. Make sure to include your names, the name of the game, and sources of information _____ **(Specifications Manager)**
8. Decorate the board and cards with art *(must be in color)* that relates to the Solar System. _____ **(Artist)**
9. Type or write up questions that relate to the Solar System. PRINT them neatly on 3” X 5” index cards cut in half. _____ **(Scribe and Editor)**
10. Provide an answer key. _____ **(Scribe and Editor)**
11. Make up and write the rules for the game. Also, state how many players can play and what the penalties are for wrong answers. _____ **(Rule Maker and Editor)**
12. Check that there is no plagiarism _____ **(Editor)**
Rubric: Solar System Board Game

<table>
<thead>
<tr>
<th></th>
<th>5 points</th>
<th>4 points</th>
<th>3 points</th>
<th>2 points</th>
<th>1 point</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Design and Creativity</strong></td>
<td>Everything is neatly created and directions were followed completely.</td>
<td>Game board is complete but some parts are sloppy.</td>
<td>Game board is incomplete. Some elements are missing or could be neater.</td>
<td>Most of the directions not followed and board is sloppy.</td>
<td>No creativity used.</td>
</tr>
<tr>
<td><strong>Review and evaluation forms</strong></td>
<td>Review and evaluation forms were taken seriously and constructive feedback was given.</td>
<td>Forms were filled out. Some constructive feedback was given.</td>
<td>Portions of the forms were filled out. Little constructive feedback was given.</td>
<td>No feedback was given.</td>
<td>Review and evaluation forms were not filled out.</td>
</tr>
</tbody>
</table>

| **Questions**                        | 36 questions and answers of an appropriate level. Not too difficult nor too easy. | A couple of questions or answers are incorrect or missing and/or too easy or hard. | Half of the questions or answers are incorrect or missing and/or too easy too hard. | Many questions or answers are incorrect or missing and/or too easy too hard. | Most questions or answers are incorrect or missing and/or too easy too hard. |
| **Individual Responsibilities**      | All responsibilities of individual roles are fully completed. | Most of the responsibilities of individual roles are fully completed. | Half of the responsibilities of individual roles are fully completed. | Many of the responsibilities of individual roles are not completed. | Most of the responsibilities of individual roles are not completed. |

Score: ____________/50