

| <b>Rubric for Performance Assessment</b>                                |   |  |  |   | <b>Name:</b>        |          |
|---|---|--|--|---|---------------------|----------|
| <b>Activity Title: Engineering Design Project on Musical Instrument</b> |   |  |  |   | <b>Grade Level:</b> |          |
|   | <b>1</b>  | <b>2</b>   | <b>3</b>                                   | <b>4</b>  | Weight (X factor)   |          |
| <b>Criteria:</b>  | <b>Beginning</b>                                      | <b>Developing</b>                                | <b>Proficient</b>                          | <b>Advanced</b>                                     |                     | Subtotal |
| <b>Resourcefulness</b>  | Materials used are all pre-fabricated, not improvised | Some materials used are improvised               | Most materials used are improvised         | All of the materials used are improvised            | <b>50%</b>          |          |
| <b>Loudness and Pitch</b>   | Loudness and pitch can barely be demonstrated         | Loudness and pitch changes are minimal           | Loudness and pitch changes are moderate    | Loudness and pitch can completely be modified       | <b>25%</b>          |          |
| <b>Creativity and Originality</b>                                       | The project is adapted with no modification           | The project is adapted with minimal modification | The project is adapted but mostly modified | The project is original and design is very creative | <b>25%</b>          |          |
|   |   |  |  |   | <b>Total:</b>       |          |
| Teacher Comments:   |   |  |  |   |                     |          |

| <b>Rubric for Assessing Art in STEM</b> |  |   |   |  | <b>Name:</b>        |          |
|---|--|---|---|--|---------------------|----------|
| <b>Activity Title:</b>                  |  |   |   |  | <b>Grade Level:</b> |          |
|   | <b>1</b>   | <b>2</b>  | <b>3</b>  | <b>4</b>   | Weight (X factor)   |          |
| <b>Criteria:</b>                        | <b>Beginning</b>   | <b>Developing</b>   | <b>Proficient</b>   | <b>Advanced</b>  |                     | Subtotal |
| <b>Resourcefulness and Creativity</b>   | There is no evidence of anything new in the project made.                  | There is little evidence of new ideas and the rest are copied or slightly modified.     | There is integration of new ideas in most aspects of the project. | The project is exceptional, creative and original.                               | <b>40%</b>          |          |
| <b>Craftmanship and Skill</b>           | The project is lacking craftmanship as evidenced by the quality of output. | The project has some evidence of craftmanship and skill based on the quality of output. | The project is neatly done and craftmanship is above average.     | The project is exceptional and demonstrated skill in all aspects of the project. | <b>30%</b>          |          |

|                                |   |   |   |   |            |  |
|--------------------------------|---|---|---|---|------------|--|
| <b>Effort and Perseverance</b> | The project shows no evidence of effort and perseverance based on the quality of output | The project shows little evidence of effort and perseverance based on the quality of output | The project shows above average effort and perseverance based on the quality of output. | The project shows a lot of effort based on the amount of details, its neatness and intricacy. | <b>30%</b> |  |
|                                |   |   |   |   | Total:     |  |
| Teacher Comments:              |   |   |   |   |            |  |

## Rubric for Group Activity

|  |        |               |                  |                |               |
|--|--------|---------------|------------------|----------------|---------------|
| Task Description: (Teacher may explain specific assignment in this space.) |        |               |                  |                |               |
| Criteria   | weight | 4 – Exemplary | 3 – Accomplished | 2 – Developing | 1 – Beginning |

|                  |     |  |  |  |   |
|------------------|-----|--|--|--|---|
| <b>Cooperati</b> | 25% | <input type="checkbox"/> Does a full share of work or more<br><input type="checkbox"/> Assigns a clearly defined role;   | <input type="checkbox"/> Does an equal share of work<br><input type="checkbox"/> Assigns roles, but roles are not clearly defined or     | <input type="checkbox"/> Does almost as much work as others<br><input type="checkbox"/> Assigns roles, but roles are not | <input type="checkbox"/> Does less work than other group members<br><input type="checkbox"/> No effort made to assign roles to      |
| <b>Organiz</b>   | 20% | <input type="checkbox"/> Takes initiative in helping the group get organized and setting times and places to meet  | <input type="checkbox"/> Works agreeably with partner(s) concerning organization and times and places                                    | <input type="checkbox"/> Can be coaxed into meeting with other partner(s)<br><input type="checkbox"/> Somewhat           | <input type="checkbox"/> Did not meet partner(s) at agreed times or places<br><input type="checkbox"/> Lack of                      |
| <b>Researc</b>   | 20% | <input type="checkbox"/> Collects and contributes accurate content<br><input type="checkbox"/> Goes above and beyond to research   | <input type="checkbox"/> Collects and contributes mostly accurate content<br><input type="checkbox"/> At times, takes initiative to find | <input type="checkbox"/> Collects and contributes somewhat accurate content<br><input type="checkbox"/> Uses only        | <input type="checkbox"/> Collects and contributes inaccurate content<br><input type="checkbox"/> Does not utilize resources         |
| <b>Member</b>    | 25% | <input type="checkbox"/> Provides many ideas for the assignment<br><input type="checkbox"/> Clearly  | <input type="checkbox"/> Participates in discussions about the assignment<br><input type="checkbox"/> Usually shares                     | <input type="checkbox"/> Listens to others; on some occasions, makes   | <input type="checkbox"/> Seems bored with conversations about the assignment<br><input type="checkbox"/> Never/almost               |
| <b>Presenta</b>  | 10% | <input type="checkbox"/> Presentation is clever and original<br><input type="checkbox"/> Engaging; captures interest of audience<br><input type="checkbox"/> Appropriate variety | <input type="checkbox"/> Presentation is thoughtful<br><input type="checkbox"/> Presentation is well done; interesting to                | <input type="checkbox"/> Presentation is at times clearly presented<br><input type="checkbox"/> Presentation is at times | <input type="checkbox"/> Little creativity used; bland<br><input type="checkbox"/> Presentation is hard to follow; poorly organized |

Assignment Score \_\_\_\_\_ + Beyond/Bonus \_\_\_\_\_ = Final Score \_\_\_\_\_

# PEER EVALUATION TOOL

You are being asked to complete this evaluation so that I can recognize the individual contributions of group members to the overall group project.

**Active Participation:** Attending and participating in group meetings, participating in on-line chats/conferences with group members (if applicable)

**Constructive Contribution:** Improving quality of presentations, both informal and formal; being proactive in researching information about issue and providing quality research; fostering creativity; bringing unique skills and abilities that aid in the quality of the final products; and providing leadership.

**Communication:** Checking in with group before missing a meeting, clarifying expectations, keeping communication channels open among group members, facilitating others' participating, and speaking/listening effectively and respectfully.

**Commitment and Effort:** Following through on assigned tasks, being accountable to group members, and working consistently to meet group expectations.

Using each of the above criteria, provide a rating for yourself and each of your group members. Use the rating scale below. In the last column, we ask that you recommend a grade, for example, A, B-, C+, D, etc.

| NAME            | POINT SCALE  |                           |                         |               |                       |                   |
|-----------------|--|---------------------------|-------------------------|---------------|-----------------------|-------------------|
|                 | 1-----2-----3-----4-----5-----6-----7-----8-----9-----10<br>(terrible) |                           |                         |               |                       | 10<br>(fantastic) |
|                 | Active Participation   | Constructive Contribution | Supported Group Process | Communication | Commitment and Effort | Advisory Grade    |
| Yourself:       |  |                           |                         |               |                       |                   |
| Group member 1: |  |                           |                         |               |                       |                   |
| Group member 2: |  |                           |                         |               |                       |                   |
| Group member 3: |  |                           |                         |               |                       |                   |
| Group member 4: |  |                           |                         |               |                       |                   |