

Name: \_\_\_\_\_ Period: \_\_\_\_\_

## Musical Instrument Project Scoring Rubric

### The Instrument (50 pts total)

- The instrument design is approved, and matches actual instrument \_\_\_\_\_ (5 pts)
- The instrument is home-made. No store bought instrument parts. \_\_\_\_\_ (15 pts)
- The instrument has the ability to play at least three different pitches. \_\_\_\_\_ (15 pts)
- Quality – the instrument was not thrown together at the last minute. \_\_\_\_\_ (15 pts)

### The Presentation (50 pts total)

Explanation of how the instrument makes sound: \_\_\_\_\_ (20 pts)

- | <i>String</i> (5 pts each)                                   | <i>Wind</i> (5 pts each)  | <i>Percussion</i> (5 pts each)                                    |
|--|---|---|
| <input type="checkbox"/> Pluck, rub or strike the string     | <input type="checkbox"/> Start the vibration with your lips, a reed, or by blowing across an opening. | <input type="checkbox"/> Strike the instrument.                   |
| <input type="checkbox"/> The string vibrates                 | <input type="checkbox"/> The air inside the instrument vibrates                                       | <input type="checkbox"/> The instrument vibrates.                 |
| <input type="checkbox"/> The air next to the string vibrates | <input type="checkbox"/> The air outside the instrument vibrates.                                     | <input type="checkbox"/> The air next to the instrument vibrates. |
| <input type="checkbox"/> A sound wave travels to your ear    | <input type="checkbox"/> A sound wave travels to your ear   | <input type="checkbox"/> A sound wave travels to your ear.        |

Explanation of how the instrument makes different pitches: \_\_\_\_\_ (15 pts)

- | <i>String</i> (5 pts each)   | <i>Wind</i> (5 pts each)   | <i>Percussion</i> (5 pts each)  |
|--|--|---|
| <input type="checkbox"/> What is different: string diameter, length, tightness, material | <input type="checkbox"/> Change the length of the vibrating column of air. | <input type="checkbox"/> What is different: size, shape, materials, tension (drum head) |
| <input type="checkbox"/> How the difference changes the frequency.                       | Or<br><input type="checkbox"/> Change the compression of the lips          | <input type="checkbox"/> How the difference changes frequency                           |
| <input type="checkbox"/> How the change in frequency changes the pitch                   | <input type="checkbox"/> How that difference changes the frequency         | <input type="checkbox"/> How the change in frequency changes pitch                      |
|  | <input type="checkbox"/> How the change in frequency changes the pitch     |   |

Demonstrate that the instrument plays at least three pitches. \_\_\_\_\_ (15 pts)

- Played a tune (5 pts)     Played a tune in a band (5 pts) \_\_\_\_\_

Total: \_\_\_\_\_ /100