**Everyday Energy Transfer**

Energy transfer is all around us, happening at all times, and, I bet, we don’t take the time to think about this cool science! Think about some of the examples we shared in class (*sand on our toes, walking at the pool, etc…).* Now I want you to put on your “Van Gogh” hats and get creative. Create a drawing/scene that happens day-to-day that shows ALL three types of energy transfer. Remember…

**CONDUCTION** – energy transfer through matter (direct contact; touching)

**CONVECTION** – energy transfer through the movement of mass in fluids (currents)

**RADIATION** – energy transfer through the emptiness of space by electromagnetic waves

Use the rubric below to ensure successful completion of your art masterpiece.

**\*\*\*YOU MAY NOT USE THE EXAMPLES SHOWN OR DISCUSSED FROM THIS SHEET\*\*\***

|  |  |  |
| --- | --- | --- |
| **CRITERIA** | **Points Possible** | **Points Earned** |
| **Content*** Scene clearly represents ALL three types of energy transfer (conduction, convection, radiation)
* Scene shows an “everyday” scenario
 | **40** |  |
| **Drawing*** Color is used for the entire masterpiece
* Covers the entire 8.5x11 sheet of paper
* Three types of energy transferred clearly labeled
 | **30** |  |
| **Paragraph (5-7 sentences minimum) (place on back of drawing)*** Detailed description of what is occurring in your drawing
* Explanation of how the three types of energy transfer are occurring
* Complete sentences and free of grammatical errors
 | **15** |  |
| **Neatness*** Clearly shows effort (something we could sell at Ligon’s Art’s Festival)
* Paragraph easy to read
 | **10** |  |
| **Rubric*** Attached to the final product
 | **5** |  |
| **TOTAL** | **100** |  |