***Measurement Rubric - Temperature***

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| **Assessment Category** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Knowledge and Understanding**  **The student…** |  |  |  |  |
| – estimate temperature based on given information | Limited  Knowledge | Some  Knowledge | Considerable  Knowledge | Thorough  Knowledge |
| - demonstrates temperature |
| – reads and identifies benchmarks (cool, warm, hot, cold) |
| – reads positive temperatures to nearest degree |
| **Thinking**  **The student…** |  |  |  |  |
| – demonstrates mathematical thinking (e.g., orally, written and visual representations) | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree of Effectiveness |
| – deconstructs temperature problems to determine necessary information |
| – uses problem solving skills and selects appropriate strategies and tools |
| **Communication**  **The student…HOW** |  |  |  |  |
| - explains the relationship between hot and cold water | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree of Effectiveness |
| - communicates how and identifies with temperatures |
| - uses appropriate vocabulary  and terminology (celsius, temperature, thermometer) |
| **Application**  **The student…** |  |  |  |  |
| - represents and applies temperature | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree  Of Effectiveness |
| - transfers knowledge and skills to temperature |
| - makes connections to weather |