Unit Project Rubric:
Squares and Square Roots

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|  | **Not Yet Adequate** | **Adequate** | **Proficient** | **Excellent** |
| Conceptual Understanding |
|  | little understanding; may be unable to demonstrate or explain:– if a given number is perfect square– which factor of a given perfect square is the square root– approximate square root of a non-perfect square | some understanding; partially able to demonstrate or explain:– if a given number is perfect square– which factor of a given perfect square is the square root– approximate square root of a non-perfect square | shows understanding; able to demonstrate and explain:– if a given number is perfect square– which factor of a given perfect square is the square root– approximate square root of a non-perfect square | shows depth of understanding; in various contexts, demonstrates and explains:– if a given number is perfect square– which factor of a given perfect square is the square root– approximate square root of a non-perfect square |
| Procedural Knowledge |
|  | limited accuracy; major errors or omissions in determining: – square of a number– square root of a perfect square– approximate square root of a non-perfect square | partially accurate; frequent minor errors or omissions in determining:– square of a number– square root of a perfect square– approximate square root of a non-perfect square | generally accurate; few errors or omissions in determining:– square of a number– square root of a perfect square– approximate square root of a non-perfect square | accurate and precise; rarely makes errors or omissions in determining: – square of a number– square root of a perfect square– approximate square root of a non-perfect square |
| Communication |
|  | does not record and explain reasoning and procedures clearly and completely and does not include technology | records and explains reasoning and procedures with partial clarity; may be incomplete; partially explain the use of explain | records and explains reasoning and procedures clearly and completely and the uses of technology | records and explains reasoning and procedures with precision and thoroughness and the uses of technology |

Project/Poster: Organization

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|  | The final product seems incomplete and disorganized. Diagrams/write-ups are difficult to read or are missing. | The final product is partially organized. More time and effort could have improved the layout. Diagrams/write-ups are visible but may be hard to read. | The final product is well organized and the layout is well thought out for the most part. Diagrams/write-ups are easy to read. | The final product is extremely well organized, with thought put into the layout. Diagrams/write-ups are neatly done and easy to read. |

Project/Poster: Creativity

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|  | This project is very simple and ordinary. Ideas are not original. | This project has unique components. Some ideas are original. | This project displays knowledge in a unique way. Ideas are original. | This project displays knowledge in an exceptionally unique way. Ideas are original and meaningful. |