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|  | **Above Expectation**  **(4)** | **Meeting Expectations**  **(3)** | **Below Expectations**  **(2)** | **Incomplete**  **(1)** |
| **Reflective Thinking** | The reflection explains the student’s own thinking and learning processes, as well as implications for future learning. | The reflection explains the student’s thinking about their own learning processes. | The reflection attempts to demonstrate thinking about learning but is vague and/or unclear about the personal learning process. | The reflection does not address the student’s thinking and/or learning. |
| **Analysis** | The reflection is an in-depth analysis of the learning experience, the value of the derived learning to self or others, and the enhancement of the student’s appreciation for the discipline. | The reflection is an analysis of the learning experience and the value of the derived learning to self or others. | The reflection attempts to analyze the learning experience but the value of the learning to the student or others is vague and/or unclear. | The reflection does not move beyond a description of the learning experience. |
| **Making Connections** | The reflection articulates multiple connections between this learning experience and content from other courses, past learning, life experiences and/or future goals. | The reflection articulates connections between this learning experience and content from other courses, past learning experiences, and/or future goals. | The reflection attempts to articulate connections between this learning experience and content from other courses, past learning experiences, or personal goals, but the connection is vague and/or unclear. | The reflection does not articulate any connection to other learning or experiences. |

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| **Item** | **Value** |  | **Quantity** |  |  |
| **Journal Article Review**(Max 2 per Term) | **1** | x |  | = |  |
| **UTP Science Logo and Reflection**(Max 1 per Term) | **1** | x |  | = |  |
| **Personality Indicator Test**(Max 1 per Term) | **1** | x |  | = |  |
| **Life List**(Max 1 per Term) | **1** | x |  | = |  |
| **Chemistry in the News**(Max 2 per Term) | **1** | x |  | = |  |
| **Write a science related article for the Newsletter**(Max 2 per Term) | **1** | x |  | = |  |
| **Interview a UTP Grad or a Post Secondary Student**(Max 1 per Term) | **1** | x |  | = |  |
|  |  |  |  |  |  |
| **Chemistry in Real Life**(Max 1 per Term) | **1** | X |  | = |  |
| **Meme Chemistry** (Max 1 per Term) | **1** | x |  | = |  |
|  |  |  |  |  |  |
| **Crystal Growing Project**(Max 1 per Term) | **2** | x |  | = |  |
|  |  |  |  |  |  |
| **Shelfari/Review – Science related**(2books max per Term) | **2** | x |  | = |  |
| **Time Management Project**(Max 1 per Term) | **2** | x |  | = |  |
|  |  |  |  |  |  |
| **Visit and Review Virtual Tours with Friends**  (Max 1 per Term) | **2** | x |  | = |  |
| **Independent Scientific Study OR Updating Unit Notes**(Max 1 Project per Term) | **3** | x | 1 | = 3 |  |
| **Interview a Science Professor**(Max 2 per Term) | **3** | x |  | = |  |
| **Video/Episode Review – 30 min**  (Max 1 per Term) | **3** | x |  | = |  |
| **Study Group or Tutorial**(Min. 4 hours per month) | **4** | x | 1 | = 4 |  |
|  |  |  |  |  |  |
| **Self Directed Project** (make me a deal) |  | X |  | = |  |

Attempted 7 points