**Environmental Sciences Learning Goals**

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

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| --- | --- | --- | --- | --- |
| **Learning Goals** | **Content (Tests)** |  | **Level** | **What Does This Mean?** |
| **Unit#1: Local Okanagan Ecosystem** |  |  | **1** | **I have not shown enough understanding to pass** |
| 1. I can connect the roles of species in the local Okanagan ecosystems
 |  |  | **2** | **I have shown 50% understanding** |
| 1. I can explain ecosystem stability and the factors that influence sustainability
 |  |  | **3** | **I am starting to understand, but have gaps** |
| 1. I can explain how humans can be a factor of change within an ecosystem
 |  |  | **4** | **Good understanding, some consistent errors** |
| 1. I can discuss unsustainable and sustainable human practices
 |  |  | **5** | **Great understanding, only minor errors** |
| 1. I can explain First Peoples and traditional ecological knowledge
 |  |  | **6** | **I can teach this for Mrs. Becker next year ☺** |
| **Unit#2: Earth’s Water** |  |  |  |  |  |  |
| 1. I can explain bio-indicators of a healthy water system
 |  |  |  |  |  |  |
| 1. I can explain the health factors that contribute to healthy oceans
 |  |  | **Competencies & Inquiries** |
| 1. I can explain the health factors that contribute to healthy freshwater systems
 |  |  |  | **Local** | **Water** | **Air** | **Land** | **Restoration** |
| 1. I can plan for budgeted water use
 |  |  | **Questioning** |  |  |  |  |  |
| **Unit #3: Earth’s Air** |  |  | **Planning** |  |  |  |  |  |
| 1. I can discuss global changes to Earth’s atmosphere
 |  |  | **Safety** |  |  |  |  |  |
| 1. I can explain the implications of greenhouse gases
 |  |  | **Analyzing Data** |  |  |  |  |  |
| **Unit #4: Earth’s Land** |  |  | **Reflection** |  |  |  |  |  |
| 1. I can explain factors impacting soil quality
 |  |  | **Societal Impact** |  |  |  |  |  |
| 1. I can discuss global food security issues
 |  |  | **Communication** |  |  |  |  |  |
| 1. I can explain land management practices
 |  |  |  |  |  |  |  |
| **Unit #5: Human Impact and Restoration** |  |  |  |  |  |  |  |
| 1. I can discuss human health and environmental impacts of population growth
 |  |  | **Learning** | **Level** |
| 1. I can plan and take action on a restoration project
 |  |  | Expert | 6 | 95 | 97 | 100 |
|  |  |  | 5 | 86 | 90 | 94 |
|  |  |  | Apprentice | 4 | 73 | 80 | 85 |
|  |  |  | 3 | 60 | 66 | 72 |
|  |  |  | Novice | 2 | 50 | 56 | 59 |
|  |  |  | 1 | 30 | 40 | 45 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  | **Work Ethic Expectations** |
|  |  |  | I have a growth mindset and am ready to learn |
|  |  |  | I am willing to learn from my mistakes |
|  |  |  | I am positive in class and a positive contributor to our learning environment |
|  |  |  | I ask questions and push the boundaries of my knowledge |
|  |  |  | I am a considerate team mate and work well with my learning partners |