Student-Led Conference - Science

The grid below identifies content knowledge and skills I have been practicing in science this year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trait | Demonstrated Level | | | Evidence to support  (justification) |
| Basic | Average/ Proficient | Advanced (goes above and beyond) |
| Organization |  |  |  | Table of contents  All pages neatly in ISN  Using a ruler p.\_\_  Tabs  Highlighting notes \_\_  Notetaking/ graphic organizers p. \_\_  Weathering Annotations p.53  Plant Cardsp.24-25 |
| Measurement (m, L, g) |  |  |  | Mass p. \_\_  Volume p.\_\_  Length p. \_\_  Metric Conversion p. \_\_  Earth Layer Calculations p.54  Earth Layer Model p.54  Stage blueprint p. 49 |
| Data Tables, graphs |  |  |  | Volume Data table p.13  Mirror Maze p. \_\_  Situational/ survey graphing p.\_\_  Rate of Decay/ Half-Life lab p.42 |
| Science drawings/ models |  |  |  | Science Drawings p.\_\_  Super Plant Project p.34  Geologic processes p.45  Stage blueprint p. 49  Earth Layer Model p.54  Collaborative Map p.58 |
| Research skills |  |  |  | Plant cards p.24-25  Rock notes p.49  Interview With a Rock Star p.49  Odd Geology p.37  Earth Layer Model p.55 |
| Content knowledge |  |  |  | Osmosis p.26  Photosynthesis p.27  Earth’s History Video p.38 Rock Types p.47  Weathering and Erosion p.51  Convection Cycle p.57  Plate tectonics p.58-59 |
| Problem solving |  |  |  | Super Plant Project p.34  Geologic Column sandwich p.40 Geologic Column analysis p.40  Rate of Decay/ Half-Life lab p.43  Rock Layer Scenario p.44 – Computer scenarios – Rock Layers |
| Connects/ Relationships |  |  |  | Flow of energy p.31  Rock Cycle p.46  Convection p.56-57  Plate Boundaries Reflection p.58 |
| Justification/ reasoning/ evidence |  |  |  | Super Plant Project p.34  Self –Reflection p.35  Plate boundary Expert map p.58 |
| Cycling of material and energy |  |  |  | Water, Nitrogen, and CO2 – O2 cycles p. 30  Flow of energy p.31  Rock Cycle p. 46 |
| Planning |  |  |  | Rock Band design sheet p.49  Stage blueprint p.49 |
| Interpreting (analyzing) data |  |  |  | Plate Boundary Activity p. 58  Geologic Column sandwich p.40 Geologic Column analysis p.40 |
| Notetaking |  |  |  | Scientific method notes p. \_\_\_  Dating Notes p.41  Geologic Processes p.45  Boundary types p.59 |
| Hypothesis and Conclusion writing |  |  |  | Weathering Labs p.50  Oil Lab p.56  Half-Life Lab p.43 |
| Lab Procedure |  |  |  | Weathering Labs p.50  Oil Lab p.56  Half-Life Lab p.43 |
| Work Ethic |  |  |  | Earth Layer Model p.55  Stage Blueprints p.49  Super Plant Project p.34 |
| Comprehension |  |  |  | Assessments  Convection notes p.56-57 |
| Team work |  |  |  | Plate Boundary Activity p. 58 |
| Work Completion |  |  |  | Notebook pages are all complete |