ESS 200 (Stapleton) Name(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Plate Tectonics Animation Project

180 Points Total

\_\_\_\_\_\_\_ (10) The creator’s names are displayed prominently at the top of the screen in clearly legible letters that are at least 1 inch tall on the original paper.

\_\_\_2\_\_\_ (2) Everybody gets two bonus points to make the total add up to 180 for easier grading.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Requirements**  **(3 points each)** | **C/C Div.** | **O/O Div.** | **C/C Conv.** | **O/O Conv.** | **O/C Conv.** | **Ocean**  **Hotspot** | **Transform** |
| This part of the animation begins with featureless plates. |  |  |  |  |  |  |  |
| Includes the name of a **real-life location** where this feature exists |  |  |  |  |  |  |  |
| **No other words appear** – not even the name of the plate boundary or hotspot |  |  |  |  |  |  |  |
| **Earthquake location(s)** is (are) shown |  |  |  |  |  |  |  |
| **All layers and materials are included and properly shaded** |  |  |  |  |  |  |  |
| Clearly shows all **distinguishing features** with correct shapes (e.g. trenches, ridges, volcanoes, mountains…) |  |  |  |  |  |  |  |
| **Arrows** show the directions of all moving materials (e.g. currents, mantle plumes, plates…) |  |  |  |  |  |  |  |
| Animation includes enough frames to **clearly portray important changes** (e.g. growth, shrinkage, movement…) |  |  |  |  |  |  |  |

Grade = \_\_\_\_\_\_ / 180