**The Invisible Radar Triangle Scale Model Rubric**

**Group name:**

**Names of students in group:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **4** | **3** | **2** | **1** |
| **Overall Neatness and Attractiveness** | Exceptionally well designed, neat and attractive. Colors that go well together are make the model more attractive. | Neat and relatively attractive. | Triangle sides are neatly drawn, but the model appears quite plain. | Appears messy, sloppy and "thrown together" in a hurry. |
| **Accuracy of Dimensions** | All dimensions used are correct. A scale was used correctly to calculate new dimensions. | Most of the dimensions used are correct. A scale was used to calculate new dimensions, but a few mistakes were made | Some of the dimensions used are correct. A scale was used to calculate new dimensions, but some calculation errors were made. | All dimensions are incorrect. |
| **User of Sensor** | Sensor was used correctly to measure distance between the airplane and the radar. Correctly calculated the distance using the voltage reading from multimeter. | Sensor was used correctly to measure distance between the airplane and the radar. Correctly calculates the distance using the voltage reading from multimeter with some guidance from the teacher. | Sensor was used correctly to measure distance between the airplane and the radar. Correctly calculates the distance using the voltage reading from multimeter with guidance from the teacher. | Sensor was not used correctly to measure distance between the airplane and the radar. |
| **Presentation Content** | Students used the correct math terminology to explain their answers and provide evidence of understanding. | Students used correct math terminology to explain their answers. | Students explained their answers using a few math terms to support their findings. | Students did not use math terminology to explain their answers. |

**Total score:**

**Notes:**