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

Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8th Integrated science

Standard 4- Motion

Write your score for your first quiz under Form A. If you did not pass (80% or higher), then you must take Form B or Form C until you pass. Write your scores in the boxes for the quizzes you take.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***GVC- Students will understand the relationships among energy, force, and motion.*** | | | | |
| MASTERY QUIZZES | “I CAN” statement | Form a | Form b | Form c |
| **4.1 a,b**  **Waves** | **I CAN**  relate the energy of a  wave to wavelength and compare  the transfer of energy through various mediums. |  |  |  |
| **4.1 c,d,e**  **Heat, Light, Sound** | **I CAN**  describe how energy  Spreads from its source, compare  the transfer of heat, and demonstrate how white light is separated into colors. |  |  |  |
| **4.4 a,b,c,d,e**  **Energy** | **I CAN**  convert potential and Kinetic  and other types of energy, and cite  examples of organisms sensing energy.  I can also show how organisms respond  to energy changes, and technological advancements. |  |  |  |
| **4.2 a,b,c** | **I CAN** distinguish between mass and  weight, and explain how mass and  distance affect gravity | Rube Goldberg Project  and  Motion Final | | |
| **4.2 d,e** | **I CAN** engineer structures to support a  load, and engineer a machine that uses  gravity to accomplish a task. |
| **4.3 a,b** | **I CAN** calculate mechanical advantage, engineer a device that uses simple machines to create a mechanical advantage |
| **4.3 c,d,e** | **I CAN** engineer a device that uses  friction to control its motion and engineer  a complex machine for a specific task. |