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.

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| ***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 Projectand 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 engineera complex machine for a specific task. |