

Forces & Motion “I Can Statements” Outline (3/19)

I. Forces:

- A. **Contact forces:** I can name and describe two common forces that require contact.

- B. **Field forces:** I can name and define two common forces that have fields (can act at a distance). I can describe what factors determine the strength of these fields.

- C. **Force diagrams:** I can create and read “force diagrams”. I know how to tell (and show) the direction forces act on objects and also I can tell if one force is stronger than another.

II. Newton’s Laws of Motion

- A. **First law:** I can state Newton’s First Law of Motion. I can also use various materials to demonstrate what this law means about objects that are and are not moving.

- B. **Second law:** I can state Newton’s Second Law of Motion (as a formula and as a full statement). I can also use various materials to demonstrate how each factor of the law affects the two other factors.

- C. **Third law:** I can state Newton’s Third Law of Motion. I can also use various materials to demonstrate the law.