

Alief ISD Middle School Science STAAR Review

Reporting Category 2: Force, Motion, & Energy

8.6.A demonstrate and calculate how unbalanced forces change the speed or direction of an object's motion

Force

A Force is a Push or a Pull that can change motion.

How Force is Measured

Newton - The SI unit used to measure force. The symbol for Newton is N.



Net force = 3N to the right

Net Force = mass $\times$ acceleration

$$F = m \times a$$

I am a roller skater with a mass of 70kg. If I am accelerating toward a wall at 3.2m/s², what will be the amount of force at which I hit the wall?

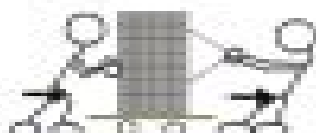


Spring Scale - Measures Force in Newtons (N).

Net Force

When more than one force acts on an object, the forces combine to form a **Net Force**. The combination of all the forces acting on an object is the **Net Force**.

Push 1 + Pull 1 = Net Force 2 to the right



Net Force = 2 →

Push 2 + Pull 1 = Net Force 1 to the left



Net Force = 1 ←

ADD forces in the same direction

SUBTRACT forces in opposite directions.

Magnitude is the size of a force.

Alief Isd Middle School Science Staar Review

Michal Rosen-Zvi



Alief Isd Middle School Science Staar Review:

Reviewing **Alief Isd Middle School Science Staar Review**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Alief Isd Middle School Science Staar Review**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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