

# 3 NEWTON LAWS

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## NOTES

I Today's our first physics lecture and we're going to talk about the three newton laws وإزاي هما بيأثروا علينا.

# FIRST NEWTON LAW

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- Newton's first law states that if a body is at rest or moving at a constant speed in a straight line, it will remain at rest or keep moving in a straight line at constant speed unless it is acted upon by a force.

## NOTES

- I هتفضل تتحرك or هتفضل in straight line يتحرك بسرعة ثابتة إن body is at rest or يبقى the first law of newton في ده
- I in straight line at constant speed unless it is acted upon by force.

# SECOND NEWTON LAW

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- Newton's second law is a quantitative description of the changes that a force can produce on the motion of a body.

## NOTES

I the second law of newton is a quantitative description of the changes that can produce on the motion of her body.

# THIRD NEWTON LAW

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- Newton's third law states that when two bodies interact, they apply forces to one another that are equal in magnitude and opposite in direction

## NOTES

- | The third law of newton states that when two bodies interact they apply forces to one another  $\text{ده طبعاً}$  are equal in magnitude
- | and opposite in direction.