Isaac Newton: alchemist
Newton's 1st Law

- Objects in “uniform motion” will remain in uniform motion,
- Objects at rest will remain at rest,
- Unless acted upon by an external force
Newton’s 2nd Law

• Force on an object is proportional to it’s mass times it’s acceleration.

• \( F = m \times a \)
Newton’s 3rd Law

• For every action there is an equal and opposite reaction.

• $F_{12} = -F_{21}$