

## Stickiness Patterns

## Force

- defined as the push or pull that results from two objects interacting
- changes the motion of an object
- can be with direct (physical) contact or indirect (invisible) (like the magnets)

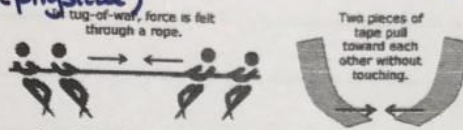


Figure 2: A force that requires contact (left) and one that acts over a distance (right)

- act with distance.
  - Closer objects are together (smaller distance apart) = greater Force
  - ↓ distance = ↑ Force

## Charge Patterns

- repulsion (repel) - when 2 objects push away from one another
- attraction - when 2 objects attract to one another

## Electrically charged

- type of indirect contact which causes objects to interact
- Must have an electrical charge
  - positive (+)
  - negative (-)
- tape became electrically charged when you pulled them apart
- Van de Graff generator creates an electric force

generator created a charge, & pie pans  
flew away b/c they were the same charge