

How To...

Day 27: Make the best hockey puck!

Test out properties of materials and investigate friction to create a puck using a milk bottle top. It can be done using a flat, shiny table top, or up the game by creating an ice sheet!



Instructions

1. Using a plastic milk bottle top as your puck, a suitable item as your hockey stick (K'nex, Lego, stick or a similar item, set up an area as your testing zone.
2. Make sure the area has a flat, shiny surface, like a tabletop or a sheet of ice.
3. Gather some materials that could be used to make a super-speedy puck!
4. Think about how to reduce friction between the milk bottle top and the ice (or shiny surface), which material do you think will be most efficient at reducing friction?
5. Stick the material to test onto the base of the milk bottle top using double-sided tape or Velcro.
6. Place on the ice or tabletop and gently hit with the hockey puck.
7. Repeat for the different materials to see which base allows the milk bottle top to travel the furthest.

Questions to consider

Will the best hockey puck travel the furthest?

How can you ensure you are using the same amount of force each time?

<https://www.science-sparks.com/best-hockey-puck/>