

Appendix 1: PowerPoint slides



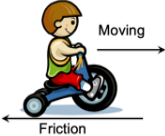
Friction

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What is Friction?

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1. Friction is a kind of force
2. Friction is created when two surfaces rub together.
3. Friction can slows a moving object down or stop it.
4. Friction can produce heat.



What is Friction? what factors will affect friction?


2

Materials of _____
Size of _____

What is the necessity of friction, create friction need _____ rub together.

What is Friction?

The amount of friction depends on the **size of the surfaces** from which the two surfaces are made. The **larger** the surface, the **more friction** is produced.



The amount of friction depends on the **materials** from which the two surfaces are made. The **rougher the surface**, the **more friction** is produced.



Choose one case



多功能防滑拖鞋

Which pair of shoes will you wear in a rainy day?



Usage of Friction

- Friction can be a useful force because it prevents our shoes slipping on the pavement when we walk
- For example: what will you wear in a rainy



Rainy



Experiment Time!! Cooperative Learning



| Our Class Rules | |
|-----------------|--------------------------|
| Looking Eyes | <input type="checkbox"/> |
| Listening Ears | <input type="checkbox"/> |
| SHARE WITH US | <input type="checkbox"/> |
| TRY MY BEST | <input type="checkbox"/> |
| TAKE TURNS! | <input type="checkbox"/> |

- Form 4-5 people in a group
- Everyone are responsible in different roles
- Select 2-3 people to present for your group
- Work effectively! You only have 20 min
- Help each other
- Raise up hand to ask teachers' help

Working with a Partner

1. GREET them
2. Make EYE contact
3. LISTEN carefully.
4. Give FEEDBACK
5. THANK them.