

STEAM Powered Poetry Videos

Pedal Power: Bicycle Science

By Heidi Bee Roemer

Ben got a new bike and he's bursting with pride.

At the top of the hill, he is ready to ride.

He fastens his helmet and sits on his seat—

Potential energy's at a high peak!

Pushing the peddles, Ben picks up speed.

Kinetic energy's also increased.

His bike gains **momentum**. Ben starts to coast.

Zooming downhill is what he loves the most!

Bicycle **gears** make Ben's **wheels** turn fast.

Look out! There's a tree that is blocking the path!

Ben has to stop! But will he be able?

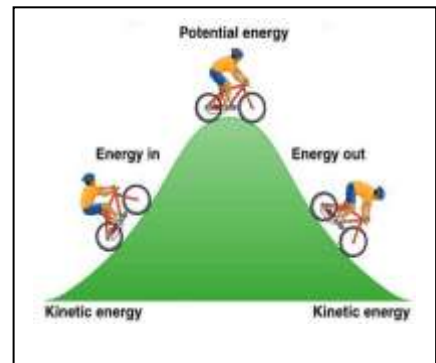
Ben grips the **brakes** that pull on the **cable...**

...which causes the **brake pads** to clamp on the rim.

This creates **friction** to stop the wheel's spin!

Ben's proud of his bike and he's learned something new.

Biking is fun, and **physics** is, too!



CREDITS:

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