

Name: _____

Changing Gears

GRADES 3-5

Explore

	Diagram of Bike Gears	When Should This Gear Be Used And Why?
Gear 1		
Gear 3		
Gear 5		

Elaborate

	Trial 1		Trial 2		Trial 3	
	Distance	Time	Distance	Time	Distance	Time
Gear 1						
Gear 3						
Gear 5						

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GRADES 3-5

Evaluate

Draw a force diagram on the pedal of the bike to represent each gear.

Gear 1	Gear 3	Gear 5

Extend

	Speed Prediction	Distance	Time	Actual Speed
Gear 2				
Gear 4				

How accurate was your prediction?