

Wright City Science Curriculum

3rd Grade Science

Grade	3rd Grade
Unit of Study	Forces and Interactions
Length of Unit	12 days; 30 min per day
Sample Essential Questions	Sample Corresponding Big Ideas
How do electric and magnetic forces interact with each other and the world around them?	Electric, and magnetic forces between a pair of objects do not require that the objects be in contact. The sizes of the forces in each situation depend on the properties of the objects and their distances apart and, for forces between two magnets, on their orientation relative to each other.

Missouri Learning Standards	
Priority Standards	Supporting Standards
3.PS2.B.1: Plan and conduct investigations to determine the cause and effect relationship of electric or magnetic interactions between two objects not in contact with each other.	3.R.1.A.b: Develop and demonstrate reading skills in response to text by drawing conclusions and support with textual evidence. 3.R.1D.a: Read independently for multiple purposes over sustained periods of time by reading text that is developmentally appropriate. 3.R.2.A.f: Read, infer, and draw conclusions to explain cause and effect relationships. 3.R.3.A.d-e: Read, infer, and draw conclusions to d) follow and explain a set of written multi-step directions and e) describe the relationship between events, ideas, concepts, or steps. 3.SL.1.A.b: Develop and apply effective listening skills and strategies in formal and informal settings by asking questions to check understanding of information presented, staying on topic, and linking comments to the remarks for others.

Unit 3 Sequence			
MLS	Topic(s)	Learning Targets	Academic Vocabulary
3.PS2.B.1	Forces	I can describe the relationship between two objects using position words.	position
		I can identify contact and non-contact forces.	contact forces; non-contact forces
	Magnets	I can identify magnetic objects.	magnetic
		I can predict using evidence if two magnets will repel or attract each other.	repel; attract
		I can plan and conduct investigations to determine the cause and effect relationship of magnetic interactions.	magnetic interactions
	Static Electricity	I can plan and conduct investigations to determine the cause and effect relationship of static electricity interactions.	electricity interactions
		I can describe the cause and effect relationship of static electricity.	static electricity

MLS	Learning Activities	
3.PS2.B.1: MAGNETS	Forces and Interactions Epic Collection	Option L... ▾
	Magnetic or Not?; Magnetic or Non-Magnetic Sort	Can Do ▾
	Lab Activity : Is it magnetic? Recording Sheet and Reflection Questions	Must Do ▾
	Magnets - Attract or Repel Slides ; Attract or Repel Pictures ; Task Cards (Quiz, Quiz, Trade)	Can Do ▾
	North and South Poles Student Slides ; Magnets True or False Student Slides	Option L... ▾
3.PS2.B.1: ELECTRICITY	Labs: Cereal Lab sheet; Teacher Notes for Lab Static Electricity Lab	Must Do ▾
	Static Electricity Task Cards (Fan N' Pick)	Can Do ▾
	Balloon diagram page	Must Do ▾
	Electrical Charges	Can Do ▾
	What I Know Activity sheet	Can Do ▾

Assessments		
MLS	Description or Location	Rubric/Location
3.PS2.B.1: MAGNETS	Position and Motion Vocabulary	Pear Assessment
	Contact and Non-Contact Forces Exit Ticket	Shared Drive
	Magnetic or Non-Magnetic Quick Check Google Form	Google Form
	Magnets - Attract or Repel and Magnetic Field Exit Ticket	Pear Assessment
	What is Magnetism Passage and Questions (differentiated versions listed on lesson plans)	Pear Assessment
	FORMATIVE: Magnetism	Pear Assessment
3.PS2.B.1: ELECTRICITY	What is Static Electricity Article Passage and Questions	Pear Assessment
	FORMATIVE: Static Electricity	Pear Assessment

Additional Resources	
Forces and Interactions SLIDES	
Forces and Interactions Lesson Plans	