



Grade 3-5 Physical Science Example #1

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
4-PS4-3	ETS1.C: Optimizing the Design Solution	Constructing Explanations and Designing Solutions	Patterns	W.4.7	4.OA.A.3

Conductors and Insulators.

19

Lesson 7
10/12/06

PREDICTION

After experiment

Item:	Before experiment!!!!!!		Result
	Light On:	Light Off:	
1. Golf Tee		X	Off *
2. Plastic Straw		X	Off *
3. Brass Screw	X		ON *
4. Paper Clip	X		ON *
5. Aluminum Screen	X		ON *
6. Chalk		X	Off *
7. Pencil		X	Off *
8. Brass Fastener	X		ON *
9. Nail	X		ON *
10. Marble		X	Off *
11. Pipe Cleaner	X		ON *
12. Aluminum wire	X		ON *
13. Copper wire	X		ON *
14. Plastic Screen		X	Off *



Conductor: material that allow electricity to pass through them.

1. copper

2.

3.



Insulator: material that Do not allow electricity to pass through them. 1. plastic 2. chalk 3. marble

Grade 3-5 Physical Science Example #2

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
5-PS1-3	PS1.A: structure and Properties of Matter	Planning and Carrying Out Investigations	Scale, Proportion, and Quantity	W.5.9	MP.2 MP.4 MP.5
4-PS3-2	PS3.B: Conservation of Energy and Energy Transfer	Planning and Carrying Out Investigations	Energy and Matter	W.5.9	MP.2 MP.4 MP.5

Exploring unknown

Class Properties Chart

red	looks like sugar	smells like sugar	feels like little rocks
yellow	looks like powder	smells like powder	feels like powder
green	looks like powder	smells like powder	feels like powder
blue	looks like powder	smells like baby powder	feels like powder
orange	looks like flower	smells like flower	feels like flower

Grade 3-5 Physical Science Example #3

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
5-PS1-3	PS1.A: structure and Properties of Matter	Planning and Carrying Out Investigations	Scale, Proportion, and Quantity	W.5.7	MP.2 MP.4 MP.5