

Summary Table - Turn On a Light

GROUP 2: Julie, Becky, Bea

Phenomenon: Soccket Ball

Guiding question: How does playing soccer cause the ball to light?

Driving Question Board - [Add new](#) [View others](#)

[Initial Model](#)

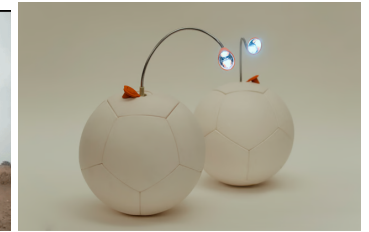
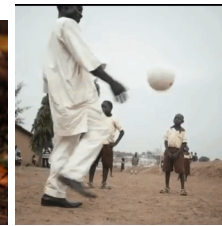
[Final Model](#)



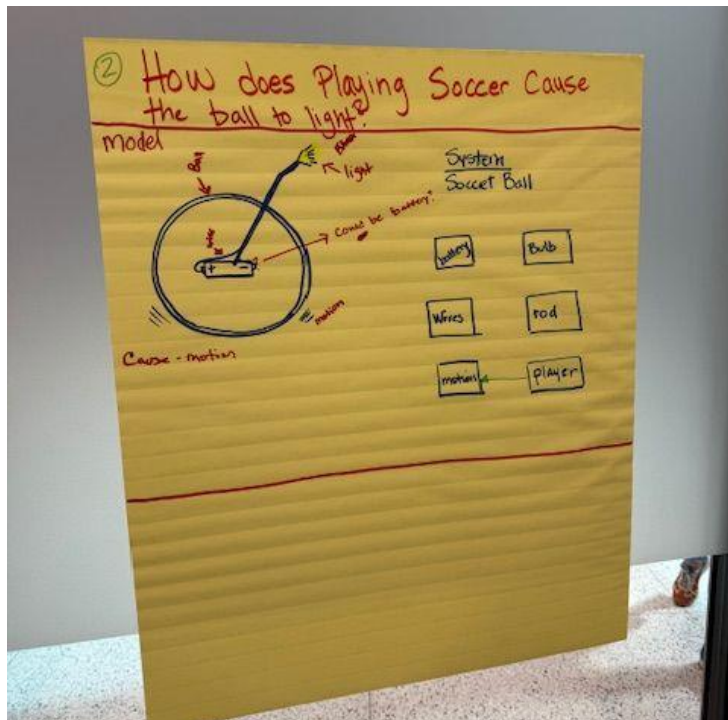
Supporting phenomenon	Link to work	What we did	What we figured out	How does this connect to the phenomenon
Happy & Sad Ball	Link	We bounce the ball, happy and sad.	The energy in the sad ball once it hits the table will transform into thermal and sound energy. The motion in the happy ball decreases each time it hits the surface. ‘Energy transferred from KE to thermal and sound energy.’	The material the ball is made out of
Solar cat	Link	Played with the solar cat and conducted an explanation.	The solar panel transferred energy into the cat to make the head and tail move back and forth.	The kinetic energy instead of light energy is stored in a sort of a capacitor (Battery). The kinetic energy transformed into electrical energy travels through wires inside the rod that makes the bulb go on.
Magnet launch	Link			

Motor spin	Link	Watched the video with the explanation of how a battery and motor store energy.	Mechanical energy can be transformed into electrical energy	Use mechanical energy from kicking the soccer ball to transform electrical energy into the battery. Stored as chemical potential energy, plugged into light.
Turn on a light	Link			

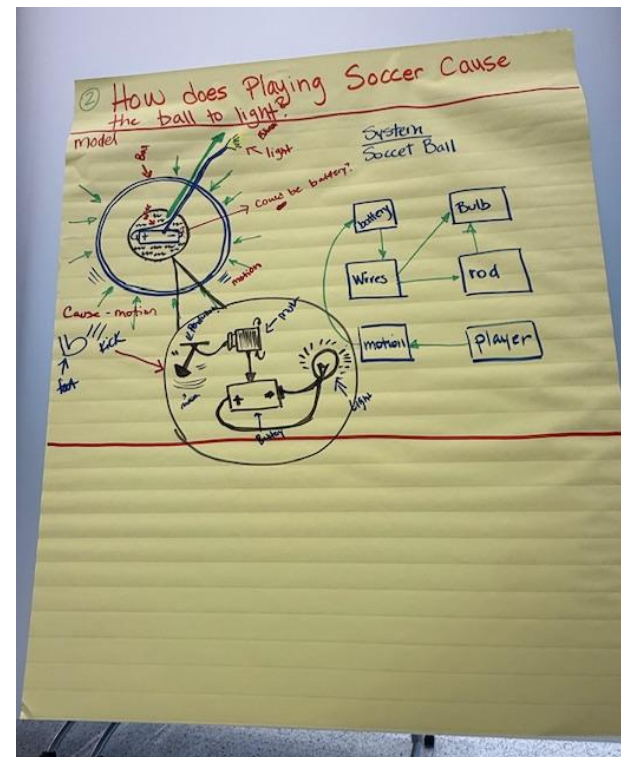
Draw a model of the soccer ball that answers the following question
How does playing soccer cause the ball to light?



Initial Model

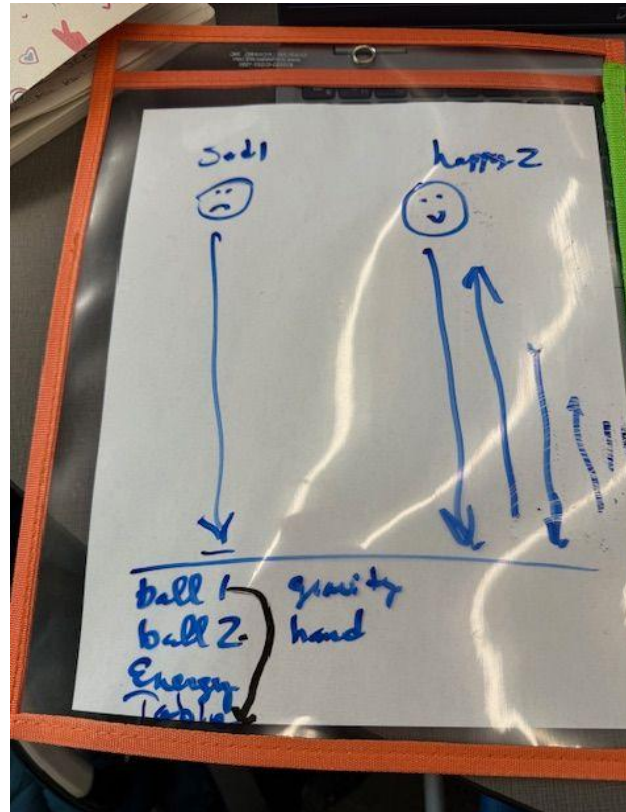
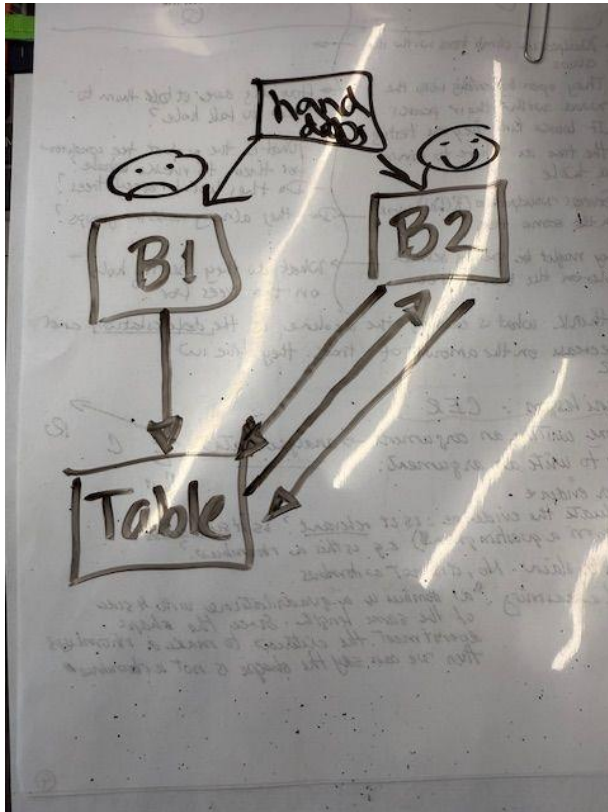


Final Model



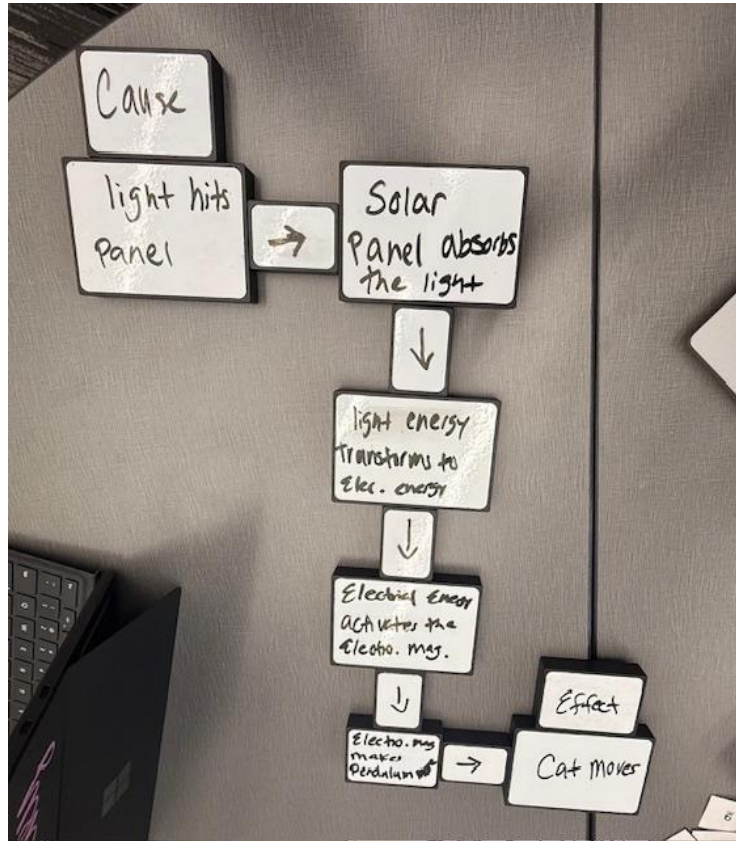
Happy and Sad Ball - [Back to summary table](#)

Show your work below (i.e. text, model images, questions, data etc.)



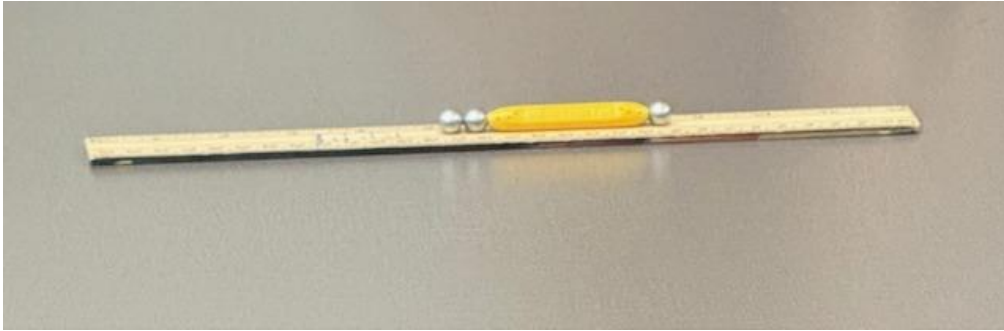
Solar cat - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)



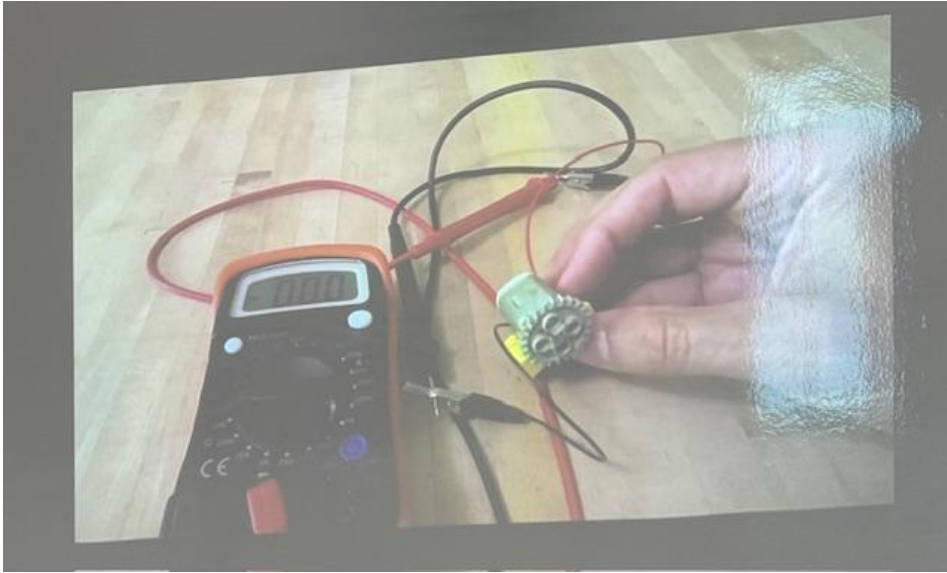
Magnet launch - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)



Motor spin - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)



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Show your work (i.e. text, model images, questions, data etc.)

