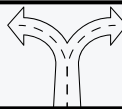


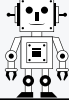
Physical Properties of Materials Menu

Directions: Take a look at the different ways you can learn more about **physical properties of materials** on the choice board. Choose the ONE activity that you think will best help you show what you've learned and that you will enjoy working on!

Ask and Investigate 	Model It! 	Be a Data Detective 
Come up with a question about a physical property of different materials. Plan a simple way to investigate.	Create a model to show how different materials can have the same physical property. Explain your model.	Observe and record several physical properties of a collection of different objects. Share your observations and compare the properties.
Math Connections! 	Explain It! 	Solve a Problem! 
Use numbers to describe and compare a measurable physical property of different materials. Explain your measurements.	Describe in your own words what different physical properties of materials mean.	Imagine you need to build something with specific physical properties. What materials would you choose and why?
Tell a Story! 	Create a Visual! 	Be the Teacher! 
Write a short story about different materials and how their physical properties affect the story.	Create a chart or poster that visually organizes different materials based on one or more of their physical properties.	Explain to someone the different physical properties of a common object and how each property is useful.

Material Ideas: Getting Physical!

Explore the core concepts of physical properties of materials with these starting points. Remember, you can always come up with your own amazing projects too!

Ask and Investigate 	Model It! 	Be a Data Detective 
1. Are all shiny things the same texture? 2. Do all rough things behave the same way? 3. Can you change the shape of all long, thin things?	1. Show different things that share a color. 2. Show different things that share a texture. 3. Show different things that share a magnetic behavior.	1. Note the colors and shapes of various items. 2. Describe the feel of different surfaces. 3. Test items to see if a magnet attracts them.
Math Connections! 	Explain It! 	Solve a Problem! 
1. Measure the length of several bendable items. 2. Compare the mass of different small objects. 3. Count the edges on different shapes.	1. Describe what "rough" means. 2. Describe what "flexible" means. 3. Describe what "magnetic" means.	1. Which material for a strong support? Why? 2. Which material for something warm? Why? 3. Which material to hold water? Why?
Tell a Story! 	Create a Visual! 	Be the Teacher! 
1. A material's hardness is important in the plot. 2. A material's flexibility helps a character. 3. A magnetic property is key to the story.	1. A display of objects sorted by texture. 2. A display of objects showing color variations. 3. A display of things that are magnetic.	1. Describe the properties of a common tool. 2. Explain why some things feel colder. 3. Show how a mixture can be created and separated.