



Target Strategies

Kinder - Materials and Motion

Investigation 1

I can identify different kinds of wood found in my house and school.

I can compare and describe different kinds of wood by their names and how they are alike and different.

I can find wood in and out of the classroom.

I can observe how wood and water interact by putting drops of water on them and in basins of water.

I can find ways to sink floating wood.

I can create a raft to hold passengers.

I can learn about properties of wood and learn how to change the properties of wood.

I can use sandpaper to change the shape of basswood and a stick.

I can compare sawdust and shavings.

I can find out what happens to sawdust and shavings when I mix them with water.

I can make particleboard by using sawdust and a cornstarch mix.

I can make plywood from strips of wood and glue.

I can compare the strength of craft sticks to my homemade plywood.

Investigation 2

I can observe and compare different kinds of paper.

I can identify all items in my environment made of paper.

I can explore and compare properties of paper.

I can fold paper and observe what happens when it's folded.

I can put drops of water on different paper to see what happens.



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Investigation 2

I can observe what happens to paper when I put it outside.

I can make new paper from old paper.

I can mix flour and water to make a paste and add it to paper. I can change paper from flexible to stiff and strong to keep its shape.

Investigation 3

I can observe different fabrics.

I can match fabrics that have the same properties.

I can investigate different kinds of fabric.

I can observe how fabrics interact with water.

I can decide which fabric would be good for a pair of pants or other kinds of clothing.

I can understand the importance of recycling and reusing materials.

I can use magnets to sort steel from other metals.

I can put water outside in the sun and shade and compare the temperatures.

I can design a structure using wood, paper, fabric, glue and natural materials that will keep water cool in the sun.

Investigation 4

I can observe and describe how a push or pull causes something to move.

I can roll balls at different speeds.

I can observe gravity as a pulling force.



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Investigation 4

I can use balls and ramps to achieve different speeds.

I can explore what happens when a moving ball hits an object.

I can change the speed of a ball by changing the slope of a ramp to knock over blocks.

I can use what I know about ball motion to make a ball land in a certain spot.

I can find different places around the school to put balls in motion.

I can predict the path of a ball on a slope.

I can observe a balloon rocket system to find out how far air will push the balloon.

I can observe how changing the amount of pumps of air in the balloon changes the speed of the balloon rocket and how far it travels.