

Fun Friday Activities

Storm in a Glass

<https://www.youtube.com/watch?v=GVW500ExQxM>

Equipment

- Shaving cream
- A large glass
- water
- Food colouring
- A spoon

What to do

1. Fill the glass 1/2 full with water
2. Spray some shaving cream on top of the water to fill the glass to ¾ full.
3. Use your finger or a spoon to spread the shaving cream evenly over the top of the water. The top of the shaving cream should be flat.
4. Mix ½-cup water with 10 drops of food colouring in a separate container. Gently add the coloured water, spoonful by spoonful, to the top of the shaving cream. When it gets too heavy, watch it storm!

How does it work?

Clouds in the sky hold onto water. They can hold millions of gallons! The layer of shaving cream is our pretend cloud in this experiment. The shaving cream layer can also hold onto water. Clouds can't keep storing more and more water forever, eventually they get too heavy. When that happens, the water falls out (precipitates) as rain, snow, sleet, or hail.

Further Experiments

Try more water and less shaving cream, or less water and more shaving cream.

Which one looks more like a drizzle, and which one looks like a downpour?



Bouncy Egg

Equipment

Raw egg, glass jar, vinegar

What to do:

Step 1: Get a raw egg and carefully place it into a glass or jar. Then fill the glass with white vinegar until the egg is completely submerged.

Step 2: Leave the egg in the glass for 2-3 day. Each day, check back on the egg.

- Do you notice any change to the egg?
- Is there anything happening to the vinegar?
- Record your observations

Step 3: After 2-3 days carefully remove the egg from the glass and rinse it under some water. While rinsing the egg, gently rub the outside of the egg and the white film will come off leaving you a translucent egg.

- Examine the egg and make some observations/
- Does the egg look different from when you started the experiment?
- Does the egg feel different?

Step 4: Over a plate or other container, lift the egg 2-5cm in the air, let go and watch it bounce.

- What happens to the egg?
- Does it bounce?
- Does it explode?

Step 5: When you are ready, lift the egg a little higher in the air and let it go what happens.



Minute to Win it Activities

You have a minute to complete each activity- challenge your family members

1. Chop Stick Race: Who can get the most Fruit loops (or other round cereal) from one bowl to the other using only chopsticks? Set the egg timer for a minute!

2. Keep 'Em Up: Can you keep a balloon (or two) in the air for a minute? Using only one hand? Using no hands (blow on it)?

3. Cookie Face: Place a biscuit on each player's forehead. Who can move the biscuit to their mouth without using their hands first/fastest?

4: Roll on Buddy: Try to roll a potato, sweet potato, or onion across the floor from one side of the room to the other... using only your nose.

5: Junk in the Trunk: Players have a tissue box tied to their lower backs. Inside are six ping-pong balls. They have one minute to empty their boxes without using their hands.

6: Cotton Ball Scoop: Sprinkle cotton balls on a table around a centrally located bowl. Give a player a spoon and blindfold them. They have a minute to find cotton balls and put them in the bowl.

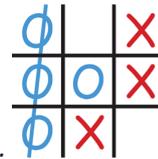
7: Tallest Tower: How many 5 cent coins/cereal pieces can you stack in one minute, using only one hand? The tallest tower wins. (Too easy? Make bigger kids and grown-ups use their less dominant hand.)

8: Mummify Me: Players pair off and have a minute to wrap their partners in toilet paper. The team with the best coverage wins.

Game Time

Dots and Boxes.

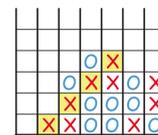
- To play Dots, you need a square of dots on the page (start with 6x6 and challenge your kids to go up to 30x30 or more).
- Once the square is created, players (2 or more) take turns with a different colour pen creating line segments between dots.
- When a player forms a square with their line, they may put their initial in that square and play again. The game continues until all the lines between the dots have been drawn.



Tic Tac Toe.

The simple game of tic tac toe is a two player game of Xs and Os. Play begins with nine spaces on a paper created by crossing two perpendicular sets of two parallel lines. One player begins (take turns being the first player) by placing an X in one square. The next player draws an O in another square. The game continues until there are three Xs or Os in a row or all squares are filled—a draw game, also called cat's.

Connect Four

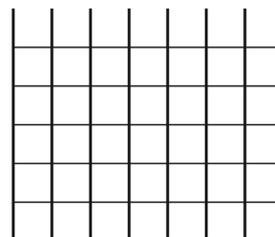


Players: Two -

Players take turns in marking squares on a grid subject to gravity. The first player to get four squares in a row wins.

Description

The game is played on a grid with six rows and seven columns:



One player is 'O' and the other is 'X'. The players take turns in marking a square with their symbol, but the pieces behave as if subject to gravity. In other words, you can only put a piece in the lowest space in a column.

The first player to get four squares in a row, horizontally, vertically, or diagonally, wins.

Example

In the following game the second player 'X' has won by making a diagonal row of four:

			O	X			
		O	X	X	O	X	
		X	O	O	O	X	
	X	X	O	O	X	O	