

Test Flight

Assemble paper airplanes and test them to determine which goes farthest.

What to do



1. Make two airplane designs. You can create them with different types of paper.



2. Standing on the starting line, gently throw your paper airplane so it can fly straight.



3. Measure how far your airplane flew (with measuring tape) and record the result on the graph. Repeat the steps with your second airplane.

Did You Know?

Exploring with paper airplanes as you try different materials such as newspaper, construction paper or regular paper, and see how it affects the flight of the airplane. Recording the results in the table, you can know which of your designs works best.

**Show what
you Know!**

Dr. Vet

Pretend you are a veterinarian. Part of your job is to make sure the animals in your care are healthy.

What to do



1. As Dr. Vet, inspect the legs, wings, teeth and tails, of each animal for any signs of sickness.



2. Count the body parts of each animal you examine.



3. Record how many legs, wings, teeth and tails, each animal has.

Did You Know?

Children need experience counting, recording and collecting data to compare results between one object and another. For example comparing the numbers of teeth between the animals.

Animal Hatchlings

Show what
you Know!

Discover which animals come from eggs and sort them into animals groups such insects, birds, reptiles, arachnids, and fish.

What to do



1. Pick five plastic eggs from the basket.



2. Open the eggs to reveal the animal inside. *What animal did you find in the egg?*



3. Place the animals on the sorting chart according to what animal group they are from. Such as: insects, birds, reptiles, arachnids, and fish.

Did You Know?

Grouping animals in charts according to their class, is a way to introduce children in math and science concepts. Children may have their own ideas of how these animals are related, like classifying them by physical characteristics.

Catapult

Launch objects across the room and compare how far they travel.

What to do



1. Place an object on the spoon. With one hand, hold the clipboard steady on the table. Use the other hand to bend the spoon-ruler launcher back as far as you can.



2. Quickly let go of the ruler but keep holding the clipboard to launch items from the spoon as far as you can.



3. Measure the distance from the clipboard to where the object landed and record the results on the data sheet. Repeat the process with each item two times.

Did You Know?

The amount of tension created and the weight of the object determine the distance that it can be launched. Based on your data, you can know which objects launched the farthest and which launched the shortest.

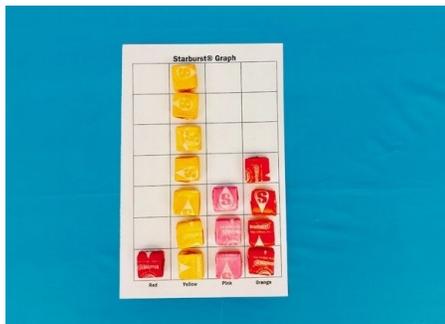
Starburst Graph

Sort, classify, and graph candies.

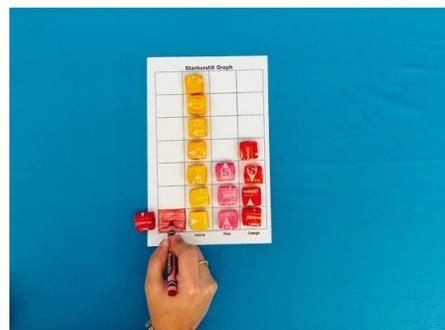
What to do



1. Pull out a handful of candy and sort the candy by colors.



2. Place the candy on the one inch graph in columns, starting from the bottom.



3. Count the number of candies on each column and color the squares under each candy with the matching color.

Did You Know?

Knowing how to gather, sort, chart and analyze data is a life skill that every person needs to know. Medical charts, report cards, growth charts, food pyramids, and inventory charts, are all graphs we use every day to interpret data.