

Lesson Plan

NEUROHEADWAY

Neuroscience Into Education

Averages

This module is about learning to average a series of results that give meaning to an activity, while the children have fun.

The children make a paper dart or something that they can make from a piece of A4 to fly.

Let the children colour or personalise the darts in whatever way they wish to distinguish them from one other's darts.

Go out to the playground or school field – somewhere they have plenty of room to fly their darts.

Give each of the children the following chart:

	1	2	3	4	5	Total
Dart						
Adjusted Dart						
Adjusted Dart						

The Children could work in two to complete the task; one throwing the data while the other records the distance.

1 -5 is the number of throws.

The children are asked to throw the dart 5 times and record the distance the paper dart travels before hitting the ground. Using a measuring device they then measure the distance from the dart being thrown to where it landed. If nothing else they could

measure the distance by using their feet end on to measure the distance.

If the children are working in pairs then swop and repeat the process.

Once 5 distances have been recorded then total the distance in the end box.

Repeat the exercise a second and third time after adjusting the dart in some way:

- 1.Add a paper clip to the front of the dart.**
- 2.Fold the dart in another way.**

The object being to increase or decrease the distance the dart can fly.

Record the distances as previously and total up the distance at the end.

Back in the classroom work out the average by dividing the total distance by the number of throws – repeat this for each of the different throws – The result is the AVERAGE of the data.

Using the same data set you can work out the mean and Mode for the different rows on the table above.