Sand and Salt Challenge

At your station you have a 600 mL beaker, a 250mL beaker, a glass stirring rod, a funnel, filter paper, a ringstand with wire gauze, weighing dishes, a Bunsen burner, and a Hot Hand. Each island has access to a hotplate and an electronic balance. The class has access to an oven in the back of the classroom.

Report to the instructor with your empty 600mL beaker.

You will be given a quantity of water with an unspecified mass of sand and salt mixed into it.

Review with your lab partners the techniques for separating mixtures, discuss the type of mixtures you are dealing with, and conduct a procedure to ISOLATE and OBTAIN THE MASS of the salt and the sand you were given.

On a piece of binder paper, describe the task, write out your procedure, justify your procedure using the correct terminology, and clearly list your mass of the sand and your mass of the salt to the hundredth of a gram(.01).

Report to the instructor and you will be told the ACTUAL MASSES. Calculate the PERCENT ERROR for the sand and the salt and include the calculations and the clearly marked results on your report.

Each individual is responsible for their own report.