

SWSC Science Competition Rules Template

Science Competition Title: Separation of Mixtures

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Description and Rules for Competition: In this lab we will be using physical and chemical properties as well as your knowledge of separation techniques to develop a plan that you will use to separate and collect the components of a mixture. **Students will need to bring a well developed plan to the competition.** It should include the steps they will take to separate a mixture composed of the following:

Sand, salt, sawdust, iron and pebbles

Materials provided include:

Beakers	striker	filter paper
Magnets	evaporating dish	funnel
Bunsen burner	distilled water	ring stand/clamp
Wire screen	spoon	

How Scoring will be performed: Scoring will be based on accuracy of each component's recovered mass.

How Tie-Breaker will be performed (if needed): Time of separation procedures will be the tie-breaker.

Number of students allowed in each individual team: 2

Number of teams allowed to compete from each individual school: 2