



BALLOON ROCKET

PRINCIPAL INVESTIGATOR

INSTRUCTION SHEET

I. ACTIVITY

In this activity you will measure the distance travelled by the balloon rocket.

II. MATERIALS

Have the Materials Manager collect the materials for the activity and bring to the team work station.

Principal Investigator Sheet	Balloons
Data Sheet	Plastic Straws
Tape	Kite String

III. DATA COLLECTION/PRESENTATION

The Principal Investigator will direct the Materials Manager to tie the string to a chair or table, thread the string through a straw, and tautly tie the other end of the string to another support in the room.

The Maintenance Director will cut an inch of straw (nozzle), place it inside the balloon, and hold the balloon tightly against the straw as the Materials Manager ties the two together with a rubber band. The Principal Investigator will blow up the balloon to the desired size and pinch off the nozzle, while the Materials Manager tapes the balloon to the straw.

After a countdown, the Principal Investigator will release the nozzle to allow the balloon to move along the tied string. The Recorder-Reporter will measure and record the distance/time on the Data Sheet to include calculating the velocity of each run.

IV. GROUP CLEAN UP

The Maintenance Director will direct the clean-up of the work station and the Materials Manager will return the equipment to the materials area.