

EXPERIMENTING WITH MODEL ROCKETS

Teacher's Guide



What You Need (For All Sessions)

For the class:

- 1 completed "Viking" model rocket
- 2 extra "Viking" kits
- 3 extra rocket engines
- 2 extra packages solar igniters
- 1 launch pad
- 1 launch control device with batteries
- 1 package fireproof wadding
- 1 tube plastic cement
- 3 medium-sized cardboard boxes
- 1 medium-sized cardboard box with dividers (such as a liquor box)
- 1 50-foot ball of string
- 1 package of flat toothpicks
- chalkboard and chalk
- a pile of old newspapers (to put on desks)
- 1 copy of Leader's Launch Day Record (master on page 59)
- 2 copies of Captain's Launch Day Record (masters on pages 61, 63)
- 1 copy of Countdown Checklist (master on page 57)
- 1 balloon
- 1 utility knife or other sharp knife for cutting thin cardboard
- 1 pair of pliers for removing spent engines
- 4-5 postal scales or other balances
- 4-5 rolls masking tape
- 4-5 pairs of scissors (to cut thin cardboard)
- (Optional) 4-5 packages colorful felt-tip markers

