FLYING YOUR ROCKET

LAUNCH SUPPLIES

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To launch your rocket, you will need the following:

1. Shock cord mount
2. Shock cord
3. Body tube
4. Engine
5. Nose cone
6. Pencil line

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To launch your rocket:

1. Spread glue here and hold.
2. Apply plastic cement.
3. Apply glue to inside body tube.
4. Apply glue to inside nose cone.
5. Place glue block.
6. Make marks.
7. Trim to fit.
8. Glue engine in place.
9. Glue or cement nose cone.
10. Use nose cone to support rocket.

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Choose a level area away from power lines, tall trees, and other obstacles. Your rocket can travel up to 30 feet or more. Be sure to follow the fire safety guidelines. Be sure to follow the HINA-AR model rocketry safety guidelines.

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Launch area must be free of dry weeds and brown grass.

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Good visibility.

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Launch any engine with little or no wind and when your rocket’s right pattern.

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To launch your rocket:

1. Spread glue here and hold.
2. Fold forward.
3. Cut out here.
4. Place shock cord mount.
5. Press shock cord mount into glue.
6. Extend marks.
7. Trim to fit.
8. Place glue block.
9. Make marks.
10. Use nose cone to support rocket.

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Choose a level area away from power lines, tall trees, and other obstacles. Your rocket can travel up to 30 feet or more. Be sure to follow the fire safety guidelines. Be sure to follow the HINA-AR model rocketry safety guidelines.
**ROCKET PREFLIGHT**

- CRUMPLE AND INSERT 2 SQUARES OF RECOVERY WADDING
- FOLD STREAMER 3 TIMES
- ROLL TIGHTLY
- INSERT STREAMER, SHOCK CORD AND NOSE CONE INTO ROCKET BODY

**PREPARE ENGINE**

- SEPARATE THE IGNITERS
- IGNITER TIP MUST TOUCH PROPELLANT DEEP INSIDE NOZZLE OPENING
- APPLY AND FIRMLY PRESS MASKING TAPE IN PLACE
- FOLD OVER
- ENGINE MUST FIT TIGHTLY TO OBTAIN PROPER STREAMER DEPLOYMENT
- WRAP TAPE AROUND REAR OF ENGINE FOR FRICTION FIT
- PUSH ENGINE INTO ROCKET UNTIL IT IS AGAINST ENGINE BLOCK

**MISFIRES**

Failure of the rocket engine to function properly is nearly always caused by a failure to install the igniter correctly. This failure permits the igniter to heat and burn into two pieces without igniting the engine.

**COUNTDOWN AND LAUNCH**

1. INSERT SAFETY KEY to arm the launch controller.
2. Move back from your rocket as far as launch wire will permit (at least 15 feet).
3. Attach micro-clips to the igniter wires. Arrange the clips so they do not touch each other or the metal blast deflector. Attach clips as close to protective tape on igniter as possible.
4. Remove safety cap and slide launch lug over launch rod to place rocket on launch pad. Make sure the rocket slides freely on the launch rod.
5. REMOVE SAFETY KEY to disarm the launch controller.

**ASSEMBLY TIP**
Read all instructions before beginning work on your model. Make sure you have all parts and supplies. Test-fit all parts together before applying any glue. If any parts don't fit properly, sand as required for precision assembly.

**PARTS AND SUPPLIES**
Locate the parts shown below and lay them out on the table in front of you. In addition to the parts included in the kit you will need the supplies shown.