FULL COLOR FLYING MODEL ROCKETS CATALOG

ASK FOR ONE TODAY
Features all of our exciting flying model rockets...Scale Models! Multi-stagers! Futuristic Fighters, Cruise Ships and Explorers! A complete line of launching supplies, custom parts, and much, much more!!

Ask your local Estes retailer for one today!

FLIGHT SEQUENCE
Most model rocket kits are constructed of lightweight materials to allow for maximum altitudes—balsa wood, paper tubing and plastic.

1. MODEL STREAKS SKYWARD TO PEAK ALTITUDE DURING COAST PHASE
2. HIGH THRUST AND ACCELERATION FOR POWERED FLIGHT
3. SHROUD LINES
4. MODEL REACHES PEAK ALTITUDE AND EJECTION CHARGE ACTIVATES RECOVERY SYSTEM
5. RECOVERY PARACHUTE IS DEPLOYED
6. TOUCH DOWN AND SAFE RECOVERY...READY TO BLAST-OFF AGAIN!

MODEL ROCKETS PARTS

CUT-AWAY ENGINE
Clay retainer cap

Clay nozzle
High thrust propellant for lift-off and acceleration.

Ejection charge for deployment of recovery system.

YOU’LL NEED ROCKETS ENGINES, IGNITERS & RECOVERY WADDING TO FLY THESE KITS.

Recovery Wadding: Protects your parachute from the hot ejection gases of your rocket’s engine. Enough for 20 to 25 flights.


IMPORTANT:
The rockets shown can be flown over and over again. Simply replace the engine, igniter, and recovery wadding for each new flight.

<table>
<thead>
<tr>
<th>Engine</th>
<th>No.</th>
<th>Total Impulse</th>
<th>Average Altitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>A8-3</td>
<td>1598</td>
<td>2.50 N-sec.</td>
<td>450’</td>
</tr>
<tr>
<td>B6-4</td>
<td>1606</td>
<td>5.00 N-sec.</td>
<td>750’</td>
</tr>
<tr>
<td>C6-3</td>
<td>1613</td>
<td>10.00 N-sec.</td>
<td>1,000’ &amp; over</td>
</tr>
<tr>
<td>C6-5</td>
<td>1614</td>
<td>10.00 N-sec.</td>
<td>1,000’ &amp; over</td>
</tr>
</tbody>
</table>
**Alpha III Starter Kit**

**Can Attain Altitudes Over 1,000 Feet! Assembles in Less than 45 Minutes.**

This high performance Alpha III rocket is very easy-to-assemble with bright red plastic nose cone and fin unit. Features quick-finish decor with precut body tube and realistic roll pattern decals. No painting required! This Alpha III rocket can be launched over and over again and returns via 12" recovery parachute. You need only replace the rocket engines, igniter, and recovery wadding for each new flight.

The Porta-Pad launch pad is newly re-designed for increased stability and features tilt-adjustment for wind direction. Features 35" long x 1/8" dia. launch rod with blast deflector plate. The Solar Launch Controller is extremely lightweight and futuristically designed, requiring only 4 alkaline AA batteries (not included). Advanced shape allows for perfect hand-held control and is easily assembled in minutes. Features safety key, continuity check light, and launch button.

Flight Pak includes three N.A.R. safety certified model rocket engines, parachute recovery wadding, and high reliability Solar Ignitors for three exciting flights.

Special Bonus - "The Mini Alpha Book" filled with model rocketry data to get you started off right. (Ship wt. 3 lbs.)

**Recommended Engines:** 1/2A6-2, A8-3 (1st Flt.), A8-5, B4-4, B4-6 B6-4, B6-6 B8-5, C6-5, C6-7

**Skill Level 1**

Model Rocketry is recommended for ages 10 to adult. Adult supervision is suggested for those under 12 years of age when flying model rockets.

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(Batteries, glue, and finishing supplies - Not included.)

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**Discover Model Rocketry**

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A DAMON COMPANY