

## MODEL ROCKETRY

Division 200  
Department 205

### NOTE FOR ALL UNITS:

1. Rocket exhibits must relate to the skill level for the unit entered. Units 1–4 MUST include the color picture of the rocket and skill level title from the rocket kit package as part of their record book. All project material must be organized and secured in a binder. Unit 6 must have a copy of plans or blueprints including instructions "step by step" to build the rocket.
2. Fins must be balsa wood and finished with paint in classes indicated. No non-balsa fin classes in Units 1 – 3. Fins of plastic or other materials must be exhibited in classes so indicated.
3. Rockets are to be displayed and held by a rod (no taller than the rocket) or support on a base not to exceed 12" x 12" x 1" thick. Only the rocket will be judged. Do not decorate the base.
4. DO NOT include live or expended engines in the rockets exhibited.
5. If rocket is damaged in launching, it can still be judged for quality of construction, e-record, and pictures.
6. Display rockets (for exhibit) cannot be used for Rocket Fly Day competition.
7. Cold power is no longer available to be used as an engine power for rockets.

**Note:** Please read specific rules for your unit.

### Rocketry Unit 1 — Introduction to Rocketry (Skill Level I)

1. Completed e-record and model rocketry report sheet.
2. One rocket personally built or other display related to work done at Skill Level I.

#### CLASSES

1. Junior – Balsa Fins
5. Intermediate - Balsa Fins
9. Senior– Balsa Fins

### Rocketry Unit 2 — Basic Model Rocketry (Skill Level II)

- d. Completed e-record, Morgan County model rocketry report sheet and completed questions in manual pages 27-31, presented in a sturdy binder.

1. One rocket personally built or display related to work done at Skill Level II.

#### CLASSES

- A. Junior – Balsa Fins
1. Intermediate - Balsa Fins
33. Senior – Balsa Fins

### Rocketry Unit 3 — Intermediate Model Rocketry (Skill Level III)

- B. Completed e-record, Morgan County model rocketry report sheet and completed questions in manual pages 31-35 presented in a sturdy binder.
- C. One rocket personally built in unit or display related to work done at Skill Level III.

#### CLASSES

51. Junior—Balsa Fins
55. Intermediate - Balsa Fins
59. Senior – Balsa Fins

### Rocketry Unit 4 — Advanced Model Rocketry (Skill Level IV)

1. Completed e-record, Morgan County model rocketry report sheet and completed questions in manual pages 14-18 presented in a sturdy binder.
2. One rocket personally built in unit or display related to work done at Skill Level IV.

#### CLASSES

- A. Junior – Finished fins of any type
75. Intermediate - Finished fins of any type
79. Senior – Finished fins of any type

### Rocketry Unit 6 — Designer Model Rocketry

1. Completed e-record & Morgan County model rocketry report sheet with design worksheets and completed questions in manual on pages 35-39, presented in a sturdy binder. Must have a copy of the plans or blueprints on how to build the rocket.
2. One rocket personally designed, built (no kits) used in unit or display related to work done.

#### CLASSES

1. Junior – Finished fins of any type
95. Intermediate - Finished fins of any type
99. Senior – Finished fins of any type

### JUNIOR GRAND CHAMPION MODEL ROCKETRY

Sponsor: Sears, Fort Morgan

### SENIOR GRAND CHAMPION MODEL ROCKETRY

Sponsor: Brush Video, Brush