DEPT. 24 - MECHANICAL SCIENCES

Judging Day - Monday of week preceding the fair
Judging Location - Youth Building
Judging Time - 2:00 p.m. to 6:00 p.m.
Entry Limit - Maximum of 4 exhibits per class and only one entry per lot
Additional Rules of Entry
- All posters must be 14" x 22". Panel exhibit size can be maximum 22" x 28"

CLASS A - MODEL AIRPLANES

Lot No./Description	1st	2nd	3rd	4th
1. Airplane made to fly, NO kit, wingspan: 20" or less	$ 2.00	$ 1.75	$ 1.50	$ 1.25
2. Airplane made to fly, NO kit, wingspan: over 20"	2.00	1.75	1.50	1.25
3. Airplane made to fly, from kit, wingspan: 20" or less	2.00	1.75	1.50	1.25
4. Airplane made to fly, from kit, wingspan: over 20"	2.00	1.75	1.50	1.25

CLASS B - MODEL ROCKETRY

Lot No./Description	1st	2nd	3rd	4th
8. Single stage rocket	$ 2.00	$ 1.75	$ 1.50	$ 1.25
9. Multi-stage rocket	2.00	1.75	1.50	1.25
10. Exotic design rocket	2.00	1.75	1.50	1.25
11. Homemade design rocket	2.00	1.75	1.50	1.25
12. Poster on basic parts of a rocket	2.00	1.75	1.50	1.25
13. Scale Model Rocket	2.00	1.75	1.50	1.25

CLASS C - AEROSPACE

Lot No./Description	1st	2nd	3rd	4th
15. Poster on basic parts of an airplane	$ 2.00	$ 1.75	$ 1.50	$ 1.25
16. Exhibit related to aerospace	2.00	1.75	1.50	1.25
17. Exhibit related to airplane or airplane pilots	2.00	1.75	1.50	1.25
18. Exhibit related to meteorology	2.00	1.75	1.50	1.25
19. Poster explaining real life experience of aerospace	2.00	1.75	1.50	1.25

CLASS E - BICYCLE

Lot No./Description	1st	2nd	3rd	4th
20. An Educational display related to bicycles	$ 2.00	$ 1.75	$ 1.50	$ 1.25
21. Item relating to bicycling (riding pack, flat repair kit, etc.)	2.00	1.75	1.50	1.25
22. Story, poem or essay relating to bicycling	2.00	1.75	1.50	1.25
23. Scrapbook about bicycling	2.00	1.75	1.50	1.25

CLASS F - LEGOS

Lot No./Description	1st	2nd	3rd	4th
24. Poster (14" x 22"), about the Lego Project	$ 2.00	$ 1.75	$ 1.50	$ 1.25
25. Lego display mounted on a base (landscape, village, scene, etc.) Maximum base size 24" x 24"	2.00	1.75	1.50	1.25
26. Free-standing Lego creation. No size limit	2.00	1.75	1.50	1.25
27. Lego display from a kit	2.00	1.75	1.50	1.25
28. Any other building material (not Legos) such as K'nex, Magnetix, Erector, or Gears	2.00	1.75	1.50	1.25

CLASS G - SMALL ENGINES

Lot No./Description	1st	2nd	3rd	4th
30. Complete small engine, label all external parts	$ 1.75	$ 1.50	$ 1.25	$ 1.00
31. Complete small engine block with all internal parts separated, exposed and labeled (Panel exhibit)	1.75	1.50	1.25	1.00
32. Poster (14" x 22"), showing correct steps in preparing a small engine for off-season storage	1.75	1.50	1.25	1.00

Lot No./Description	1st	2nd	3rd	4th
33. Small engine safety poster (14" x 22") on: tiller, mini bike, go-cart, lawn mower, etc.	1.75	1.50	1.25	1.00
34. Poster (14" x 22"), listing preventive maintenance measures recommended for 2-cycle small engine	1.75	1.50	1.25	1.00
35. Any other exhibit related to small engines	1.75	1.50	1.25	1.00

CLASS H - SCALE MODEL

Lot No./Description	1st	2nd	3rd	4th
40. Model car	$ 2.00	$ 1.75	$ 1.50	$ 1.25
41. Model truck	2.00	1.75	1.50	1.25
42. Model boat or ship	2.00	1.75	1.50	1.25
43. Model airplane	2.00	1.75	1.50	1.25
44. Model space ship, satellite	2.00	1.75	1.50	1.25
45. Model educational display: skeleton, etc	2.00	1.75	1.50	1.25

CLASS I - TRACTORS

Lot No./Description	1st	2nd	3rd	4th
47. Poster or display showing safety procedures while using at least two types of farm equipment	$ 2.50	$ 2.25	$ 2.00	$ 1.75
48. Poster or display showing proper maintenance procedures of at least 2 types of farm equipment	2.50	2.25	2.00	1.75
49. Any other educational display	2.50	2.25	2.00	1.75

CLASS J - OHV

Lot No./Description	1st	2nd	3rd	4th
52. Poster or display showing safety procedures to be observed while operating an Off Highway Vehicle	$ 2.00	$ 1.75	$ 1.50	$ 1.25
53. Any other poster or display regarding OHV	2.00	1.75	1.50	1.25

CLASS K - COMPUTERS

Additional Rules of Entry

- All equipment necessary for displaying project or activity is exhibitor's responsibility. It is recommended to bring your own computer for judging. A laptop will be available, but you should double check its compatibility.
- Bring printed exhibit for display

Lot No./Description	1st	2nd	3rd	4th
60. Label exterior parts of computer	$ 2.00	$ 1.75	$ 1.50	$ 1.25
61. A multimedia presentation (minimum of 10 slides)	2.00	1.75	1.50	1.25
62. Educational poster or display	2.00	1.75	1.50	1.25
63. Create website and steps required in developing it	2.00	1.75	1.50	1.25
64. Create database and generate at least 3 reports or graphs from its data	2.00	1.75	1.50	1.25
65. Basic "How to..." poster, pamphlet or power point presentation	2.00	1.75	1.50	1.25

CLASS L - ROBOTICS (& GEOSPATIAL)

Lot No./Description	1st	2nd	3rd	4th
70. Booklet describing what was done or learned in project	$ 2.00	$ 1.75	$ 1.50	$ 1.25
71. Poster (14" x 22"), showing what was done or learned in project	2.00	1.75	1.50	1.25
72. Display showing what was done or learned in project	2.00	1.75	1.50	1.25
73. Any other exhibit to show what was done or learned in project	2.00	1.75	1.50	1.25