

St. Joseph County 4-H 4-H Electrical Science



| Age | Exhibit | Suggested Articles |
|--|---|---|
| Beginning Electrical Science | | |
| <i>8-9 years old by January 1</i> | | |
| 1 st year ever in project: | Cord Board (Six (6) different types of cord/wire, labeled with type, size and recommended use) | |
| Intermediate Electrical Science | | |
| <i>10-12 years old by January 1</i> | | |
| 1 st year ever in project: | Cord board & one (1) electrical article <i>or</i> cord board & electrical meter reading chart/record | Extension cord, trouble light, motor |
| Other than 1 st year: | Two (2) electrical articles made by exhibitor <i>or</i> two (2) pieces electronic equipment assembled by exhibitor <i>or</i> combination | Rewire pair of lamps, build it yourself meter, build it yourself radio, etc. |
| Junior Electrical Science | | |
| <i>13-14 years old by January 1</i> | | |
| 1 st year ever in project: | Two (2) electrical articles <i>or</i> one (1) electrical article and electrical meter reading chart/record | Fairly simple as in other 1 st year articles |
| Other than 1 st year: | Two (2) electrical articles made by exhibitor <i>or</i> two (2) pieces electronic equipment assembled by exhibitor <i>or</i> combination which shows advancement of skills over previous year | Make a pair of lamps, board of electrical fixtures and how they work, rewire a floor lamp, any simple electronic kits. |
| Senior Electrical Science | | |
| <i>15-19 years old by January 1</i> | | |
| 1 st year ever in project: | Two (2) electrical articles <i>or</i> one (1) electrical article and electrical meter reading chart/record | Fairly simple as in other 1 st year articles |
| Other than 1 st year: | One (1) major electrical article made by exhibitor <i>or</i> one (1) major piece of electronic equipment assembled by exhibitor <i>or</i> major building wiring/rewiring project (documented with step-by-step photos and explanation of wiring procedure used) | Wire a room in house or workshop including drawings and pictures of circuits, fixture board, board showing parts of electric motor, any advanced electronic kit |