



## MECHANICAL SCIENCES

### BICYCLE

Superintendent: TBA

#### CLASS

- 100. Unit 1 – Bicycling For Fun- Junior
- 101. Unit 2 – Wheels In Motion- Intermediate
- 102. Unit 3 - Bicycle Self-Determined - Senior

Grand Champion Junior..... Rosette  
 Reserve Grand Champion Junior ..... Rosette

Grand Champion Intermediate.....Rosette  
 Reserve Grand Champion Intermediate. Rosette

Grand Champion Senior..... Rosette  
 Reserve Grand Champion Senior ..... Rosette

### COMPUTERS

Superintendent: TBA

#### CLASS

- 103. Unit 1 – Newbie Know-How- Junior
- 104. Unit 2 – Inside The Box- Intermediate
- 105. Unit 3 – P2P (Peer To Peer) – Senior
- 106. Unit 4 – Teens Teaching Tech - Senior

Grand Champion Junior..... Rosette  
 Reserve Grand Champion Junior ..... Rosette

Grand Champion Intermediate.....Rosette  
 Reserve Grand Champion Intermediate. Rosette

Grand Champion Senior..... Rosette  
 Reserve Grand Champion Senior ..... Rosette

### ELECTRICITY

Superintendent: Chuck Kem

#### CLASS

- 116. Unit 1 - Magic of Electricity - Junior
- 117. Unit 2 – Investigating Electricity- Intermediate
- 118. Unit 3 – Wired for Power - Senior
- 119. Unit 4 – Entering Electronics – Senior Advanced

Grand Champion Junior..... Rosette  
 Reserve Grand Champion Junior ..... Rosette

Grand Champion Intermediate.....Rosette  
Reserve Grand Champion Intermediate..Rosette

Grand Champion Senior..... Rosette  
Reserve Grand Champion Senior ..... Rosette

**GEOSPATIAL**  
Superintendent: TBA

**CLASS**

- 126. Unit 1 – Setting Out- Junior
- 127. Unit 2 – On The Trail- Intermediate
- 128. Unit 3 – Reaching Your Destinations - Senior
- 129. Unit 4 – Group Projects (Developed by two or more 4-H members)

Grand Champion Junior..... Rosette  
Reserve Grand Champion Junior ..... Rosette

Grand Champion Intermediate.....Rosette  
Reserve Grand Champion Intermediate. Rosette

Grand Champion Senior..... Rosette  
Reserve Grand Champion Senior ..... Rosette

**MODEL ROCKETRY**  
Superintendent: Darrel Martin/Ron Rowley

**CLASS**

- 141. Unit 1 - Introduction to Rocketry - Junior (Balsa)
- 142. Unit 1 - Introduction to Rocketry - Intermediate (Balsa)
- 143. Unit 1 - Introduction to Rocketry - Senior (Balsa)
- 144. Unit 2 - Basic Model Rocketry - Junior (Balsa)
- 145. Unit 2 - Basic Model Rocketry - Intermediate (Balsa)
- 146. Unit 2 - Basic Model Rocketry - Senior (Balsa)
- 147. Unit 3 - Intermediate Model Rocketry - Junior (Balsa)
- 148. Unit 3 - Intermediate Model Rocketry - Intermediate (Balsa)
- 149. Unit 3 - Intermediate Model Rocketry - Senior (Balsa)
- 150. Unit 4 - Advanced Model Rocketry - Junior (Finished Fins of Any Type)
- 151. Unit 4 - Advanced Model Rocketry - Intermediate (Finished Fins of Any Type)
- 152. Unit 4 - Advanced Model Rocketry - Senior (Finished Fins of Any Type)
- 153. Unit 6 - Designer Model Rocketry - Junior (Finished Fins of Any Type)
- 154. Unit 6 - Designer Model Rocketry - Intermediate (Finished Fins of Any Type)
- 155. Unit 6 - Designer Model Rocketry - Senior (Finished Fins of Any Type)

Grand Champion Junior..... Rosette  
Reserve Grand Champion Junior ..... Rosette

Grand Champion Intermediate.....Rosette  
Reserve Grand Champion Intermediate..Rosette

Grand Champion Senior..... Rosette  
Reserve Grand Champion Senior ..... Rosette

**SMALL ENGINES**  
Superintendent: Chuck Kem

CLASS

- 153. Unit 1-Crank It Up-Junior
- 154. Unit 1-Crank It Up-Intermediate
- 155. Unit 1-Crank It Up-Senior
- 156. Unit 2-Warm It Up-Junior
- 157. Unit 2-Warm It Up-Intermediate
- 158. Unit 2-Warm It Up-Senior
- 159. Unit 3-Tune It Up-Junior
- 160. Unit 3-Tune It Up-Intermediate
- 161. Unit 3-Tune It Up-Senior
- 162. Unit 4-Advanced Small Engines-Junior
- 163. Unit 6-Advanced Small Engines-Intermediate
- 164. Unit 6-Advanced Small Engines-Senior

Grand Champion Junior..... Rosette  
Reserve Grand Champion Junior ..... Rosette

Grand Champion Intermediate.....Rosette  
Reserve Grand Champion Intermediate..Rosette

Grand Champion Senior..... Rosette  
Reserve Grand Champion Senior ..... Rosette