

Explorer Post 1010

Rocketry 2009-2010

The following is a set of topics that our teams need to review this fall. We would like everyone to develop some skill in all the areas.

1. Launch operations
 - Set up launch tower
 - Video the launches
 - Recovery
 - Safety issues
2. Rocket design
 - RockSim design
 - RockSim simulations
 - Fin design
3. Rocket construction
 - Safety issues
 - Cutting
 - Tubes
 - Fins
 - Motor mounts
 - Fin interlocks
 - Gluing
 - Painting
 - Tower guides
4. Motor preparation
 - Motor selection
 - Motor assembly
 - Ejection charge
 - Igniter placement
5. Recovery systems
 - Recovery design
 - Streamer attachments
 - Chute attachments
6. Cargo protection
 - Nose cone attachment
 - Egg placement and protection
 - Altimeter placement and protection
 - Altimeter operations
7. Launch analysis
 - Data/Video recovery
 - Data/Video review