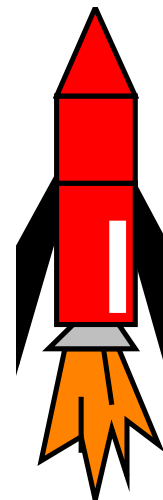




Cub Scout Pack 130

# Space Derby

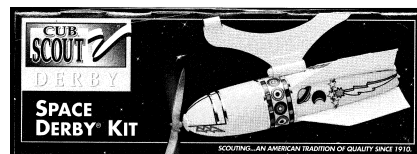


Date: Saturday, November 5th, 2010

Time: 1-3:30 pm

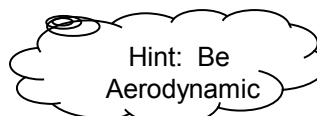
Place: St. Bridget's Parish Hall

Kits are \$6.00 each and will be sold at Registration Night Sept 15 and the first Pack Meeting.



**Finished rockets must be turned in on Thurs, November 3rd at St. Bridget's Parish Hall between 6:30 pm and 8:00 pm .**

**Note: Volunteers will be able to help with final propeller assembly on Thurs, November 3rd (Shape/decoration/hanger should be complete)**



The Space Derby is similar to the Pinewood Derby held in February. Cubs and parents fashion a rocket out of the balsa wood kit. The kit contains the pre-drilled balsa wood, propeller, rubber bands, and a hanger to attach the rocket to carriers which the Pack will have at the event. Groups of rockets race against each other on fishing lines stretched across the Parish Hall. Awards include a trophy and/or ribbons for the winners and patches for all participants.

**PLEASE READ -- Space Derby Information & Rules:**

1. Use only the materials that come in the kit (except for paint and glue).
2. Read and follow the directions in the kit very carefully.
3. The Pack will provide the the "Carrier" that connects the rockets to the fishing line on which they race.
4. You need to install the "Hanger" which comes in your kit to the top side of your rocket as shown in the directions.
5. The nose of the propeller that comes in the kit has a pointed side and a flat/stepped side. When you install the propeller make sure the pointed side is *TOWARD* the rocket. The rounded point will spin nicely in the little bushing that is provided.
6. Make sure the wire which connects the rubber bands to the propeller is bent way over the prop and cannot spin without turning the prop. A common problem is for the wire to slip as it spins so the rocket simply sits at the starting gate as the rubber band unwinds itself.
7. Use only two rubber bands. **DO NOT** lubricate rubber bands.
8. Adult volunteers on race day will use a hand-drill to pre-wind all rockets the same amount.
9. Rockets will race together in heats (similar to the Pinewood Derby), but distance, not speed, is measured.

