

HERSHEY REGION

PINEWOOD DERBY RACE

SATURDAY

SEPTEMBER 18TH, 2010

11AM until ?

CHUCK WAGON LODGE



**BUILD YOUR OWN CAR OR RACE YOUR
OLD PINEWOOD DERBY CAR!**

**BSA CLASS
&
UNLIMITED CLASS
RACES**

ALL HERSHEY REGION MEMBERS, THIER
CHILDREN AND GRANDCHILDREN ARE
WELCOME TO PARTICIPATE.

SPECTATORS WELCOME!

TROPHIES & PRIZES!

LUNCH WILL BE PROVIDED

VOLUNTEERS NEEDED
Race operations and setup
Food Preparation / Bakers
Assistants for work sessions



Please contact Keith Gingrich by June 1, 2010, at 717-582-8681 or torinonut@tricountyi.net with the names and ages of your event participants and also if you can volunteer. Please designate if you will be wanting a car kit to build or racing your old car.

Derby Car work session schedule on back of flier.

Pinewood Derby Car Work Schedule

Chuck Wagon Lodge - select Saturdays - 9am to 12pm

All detailed work plans and work schedules were developed by Hershey Region member, Bill Angert.

(Children 10 yrs. and under must be accompanied by an adults.)

APRIL 17

Introduction and Information Sheets

Show 4 completed Pinewood Cars.

Use graph paper – trace wood block 5 times, then draw 5 car shapes you like within block shape.

Label with you name.

Copy the special design of your choice on the pinewood block. Label with your name on bottom.

Clean up and hand in wood with design on it and your graph paper. Make sure your name is on each. Block will be cut out on band saw for next session.

JUNE 5

If you didn't come on April 17, you can include the work with today's work.

Drill 5/64" axle hole in wood body shape grooves.

Weight is added to the 3/8" holes (already drilled) and plugged with glue.

Cover the holes with glued plugs to dry for next session.

We will work primarily on nails and wheels.

- File burr on nail heads and ends

- Smoothing wheel edges and countersinking burred corners on hubs

- Re-drilling axle hole with #102 drill

- Smoothing wheel circumference

Clean up.

JULY 24

Work on body shape with hand tools: block plane, files, and sand paper, etc.

Complete overall shape of the body as tools permit.

Totally sand the entire body block to smooth contours and round edges.

Clean up.

AUGUST 14

Use scales to weigh wheels, axels, nails, body block and another adornments being used.

Balance the car body to establish weight addition if needed. NOTE: adding adornments increases the weight.

Hand-paint the car body in desired color and to desired smoothness.

Clean up.

SEPTEMBER 4

Install and graphite the wheels – complete assembly.

Add decals if desired.

Weigh total car - assembled and finished.

Clean up.

SEPTEMBER 18 -- RACE DAY

BRING CAR TO RACE CAREFULLY PROTECTED IN A PLASTIC BAG.

Cars will be weighed again.

HAVE FUN AND ENJOY THE RACES!!!

- Each child/adult will receive the pinewood body block, 4 wheels and 4 axles. Any adornments and decals must be provided by the child/adult
- Each child/adult or family will receive 'Instruction Sheets' on the Pinewood Derby Car.
- If a child/adult misses a work session it is possible to make up the work the next work session.
- Work may be done at home.
- Work can stay at the clubhouse, session after session, to prevent loss of parts.