

Bayshore District Derby Day 2008

GRAND PRIX DERBY

Date: February 23, 2008, Saturday
Location: Celanese Recreation Center
 Go East on Bay Area Blvd. Turn left on Bayport Rd (just past Red Bluff) and go 1.1 miles. Go straight through the stop sign for .1 mile and then turn left. Go .3 mile and the parking lot will be on the right.
Cost: Early bird registration \$5.00
 Registration (after 2/16/08 or on racing day) \$7.00
 Cost includes a patch



Schedule:

Rank	Check-in deadline*	Races (Derbies & Regatta)
Tigers	8:50 AM	9-10 AM
Wolves	9:50 AM	10-11 AM
Bears	10:50 AM	11-12 PM
4th Grade Webelos	11:50 AM	12-1 PM
5" Grade Webelos	12:50 PM	1-2 PM
Open (Siblings and Parents)	1:50 PM	2-3 PM

Please arrive 20-30 minutes before your check-in deadline for registration and inspection.

Registration: 1) Forms may be taken to the Clear Lake Scout Shop (Saturn & Bay Area Blvd, 281-282-6067) until 2/16/08.
 2) Forms may be turned in at Roundtable (2/7/08) at University Baptist Church (16106 Middlebrook Dr) from 7:00 - 8:30.

Pinewood Derby: The Pinewood Derby is open to ALL Bayshore District Scouts, Siblings, Parents--You do NOT have to have won or placed in your Pack Pinewood Derby to enter! All cars will be timed in several races. The Lowest cumulative time over the races is declared the winner. Trophies will be awarded for 1st, 2nd, and 3rd places PLUS trophies for Most Creative and Best Workmanship in each rank/category. The official Bayshore Derby rules will be followed. Rules are available at <http://www.ani-lati.org/bayshore/forms/> Note: Only BSA Official Pinewood Derby Kits (including the wheels and axels) may be used. (Pinocar and other partially-finished, preshaped or non-BSA construction kits may be used for Tigers and Open entries only.) The Open category is for siblings, parents, and scouts (although it must be a separate car) to race (rules are relaxed on wheels and axels; however the height & weight requirements are the same). A new car must be built every year.

Smash Derby: Two cars are released simultaneously from opposite ends of a double-wide single-lane track. Each end is raised about 5'. The track is 32' long, 5-1/2" wide with a raised center guide strip only at the starting sections of the track. **Judging:** As long as any part of the car remains in contact with the track after impact AND the car has at least one wheel AND can still roll down the track at least half way, it stays in the running until it either is knocked off or leaves the track completely or until it just can't roll the distance anymore. If both cars finish on the track AND if both can still roll the distance, they challenge each other again. The event is run triple elimination style. Cars must be built to the same standards as for the Pinewood Derby event. Remember that your car is likely to get destroyed. A separate car may be entered for the Smash Derby. Medals will be awarded. Note: the 3/8" bottom clearance will be enforced – any hinged scoop that falls below this guideline will not be allowed.

Regatta: The Regatta must be made from an official BSA kit available at the scout shop. The hull may be no longer than seven inches or shorter than 6 1/2 inches, the mast should measure 6 1/2 inches from deck to top. Only the contents of one boat kit (hull, keel, sail, rudder) may be used and nothing may be added to the boat other than glue, paint and stickers. Only single hulled boats are allowed. See the construction tips provided with the kit. The boats will start with the stern touching the end of the gutter. The first scout to reach the far end of the gutter wins. The race will be run in heats and will be triple elimination. Once the race has started, the scouts may not touch the boats with their hands. Medals will be awarded for 1st, 2nd, and 3rd places.

Contact: David Bottolfson 281-990-8703 bottolfson@sbcglobal.net

BAYSHORE DISTRICT DERBY DAY 2008 (one form per person)

Name: _____ Pack: _____ Phone: _____ Parents Name: _____

Cub Rank (circle): Tiger (1st grade) Wolf (2nd grade) Bear (3rd grade) Webelos I (4th grade) Webelos II (5th grade) Open

Make checks payable to SHAC (# 900083 on memo)

Amount enclosed (\$5, \$7 after 2/16): \$ _____

cash or check # _____

Official Bayshore Pinewood Derby Race Rules – 2008

I. REGISTRATION AND ELIBIGILITY

- a. Races are open to all registered Cub Scouts, siblings and parents.
- b. Entrants will be expected to complete a registration form including a Photography Release (covering pictures taken of cars and general event pictures) to be signed by a parent or guardian.
- c. Each car entered must have been predominantly crafted by the individual entrant or parent/child team. Entry of a car that has been purchased from a third-party or made-to-order by a third party is strictly prohibited and, upon discovery, subject to immediate disqualification.
- d. An Entrant may enter up to 2 cars in his or her Division. Additional cars in excess of this limit may be entered in the Open Category so long as the entrant does not exceed the 2-car limit in any of these Divisions.
- e. Each car entered will be assigned a unique registration number. This number is designed to classify cars into Divisional groupings for purposes of record-keeping convenience only. Registration numbers are not to be interpreted as rankings of any kind or as indications of sequence or priority for any particular event.
- f. After passing inspection, cars are quarantined in a pre-race area, in which case cars may not be removed from the roped off area or handled by the Entrant without prior arrangement or specific permission from a Key Staff Member.
- g. All cars competing for awards must satisfy the Construction Rules as set out in Section II herein.
- h. A new car must be built every year.

II. CONSTRUCTION RULES

- a. **Dimensions and General Specifications** (*applies to all Divisions without exception*)
 1. Maximum **LENGTH**, including any attachments to the car body, shall not exceed 7”.
 2. Maximum **WIDTH** overall (including wheels and axles) shall not exceed 2 ¾”.
 3. Maximum **HEIGHT**, including any attachments to the car body, shall not exceed 4” so that car will pass under overhead portion of timing apparatus.
 4. Minimum **width** between wheels shall not be less than 1 ¾”.
 5. Throughout the 1 ¾” wide center area of the car positioned above the center guide strip or rails, the minimum distance between the bottom of the car and the plane of wheel contact with the track surface itself shall be 3/8”. This requirement also applies to the Smash Derby cars. Hinged scoops that reduce the minimum clearance will not be allowed. This clearance distance also applies to any protrusions or weights extending from the bottom of the car in this area.
 6. Wheelbase may be modified provided that the car’s overall length, including wheels and any accessories or extensions from the body, does not exceed 7”.
 7. The car must be free-wheeling with no starting device or other propulsion.
 8. No hazardous materials may be used. Propellant, incendiary or explosive materials are absolutely prohibited.
 9. Note: Races may be optically timed. A sharply pointed car may be subject to a slight timing disadvantage because, at the moment it crosses or trips the sensor, its point may not exactly align with the central location of the optical sensor or mechanical switch used to record the finish time in that car’s lane. Similarly, a pointed-car design may not align well with the release gate or pin, which may be rounded.
- b. **Weight and Appearance** (*applies to all Divisions with exceptions as noted*)
 1. **Weight shall not exceed 5.0 ounces.** The readings of the Official Race Scale(s) will be considered final. Cars may be hollowed out and built up to the maximum weight by the addition of other materials or objects provided that such are securely built into the body or attached securely enough to prevent falling off or becoming separated from the car during normal race activity. (*Normal Race Activity refers to the traditional Pinewood Derby event. This does not include collision or impact-type events.*)
 2. **Only BSA Official Pinewood Derby Kits may be used.** (*Pinocar and other partially-finished or preshaped construction kits may be used for Tiger Rank and Open Division entries only.*)
 3. Mercury shall not be used. It is a health hazard.
 4. Details such as steering wheel, driver, spoiler, exhaust pipes, roll bars, decals, painting, and other interior and exterior detail are permitted as long as they cannot become separated from the car during normal race activity and as long as the car, together with any detail attachments, still satisfies length, width, clearance, and weight specifications.
 5. Cars with wet paint or wet glue will not be accepted.
 6. After a car passes inspection, its registration number will be attached using a small adhesive backed label or sticker which shall be located on the rear portion of the car for easy visibility in identifying the car and indicating its proper direction of travel.
- c. **Wheels and Axles** (*applies to all Divisions with exceptions as follows: Open entries are exempt from all requirements under this section.*)
 1. The only wheels and axles allowed are from the BSA Official Pinewood Derby Kits.
 2. Wheel bearings, spacers or bushings are prohibited.
 3. The car shall not ride on any type of springs.
 4. Only the tread surface and width of a wheel may be altered. The tread surface may not be modified to produce any configuration other than flat and parallel with respect to the axis of the axle bore. The tread width may be altered only from the side facing the body of car and may not be less than .275”. The wheel diameter may not be less than 1.150” nor greater than 1.200”. Lightly sanding and/or polishing the tread of the wheel to remove imperfections and/or mold marks will not

normally reduce the diameter below this minimum. Should it prove impossible to remove imperfections or true a wheel without reducing its diameter to less than the specified minimum dimension, another approved wheel should be substituted.

5. Materials, other than permanent paint decoration or lettering highlights, may not be removed or added to the wheels except as stated above or as in II.c.7. below.
 6. The backside (wheel side) of the axle heads may be ground or filed to remove burs. Axle shaft diameter may not be less than .085" at any point that contacts or could contact the interior of the wheel's axle bore. Simple polishing of the axle should not reduce its diameter below the allowable level.
 7. No wheel covers (i.e. hubcaps) are permitted unless their function is for decoration only and not to measurably alter the weight or performance of the wheel. Decorative wheel covers that hide the ends of the nail-axles must be removable for inspection purposes. In particular, no covers designed to provide a reservoir for lubrication materials may be employed
- d. Lubrication** (*applies to all Divisions without exception*)
1. Only dry powdered lubricants, such as graphite, may be used. Excessive lubrication is prohibited as it may damage equipment or floors.
 2. All lubrication residue must be wiped clean from any external body or wheel part(s) prior to inspection.

III. DIVISIONS, EVENTS, & AWARDS

- a. For purposes of award presentations and ranking, separate Divisions are maintained for entrants as follows: Tiger, Wolf, Bear, 4th grade Webelos, 5th grade Webelos, Overall (for the fastest 3 cars in each Cub Scout rank), and Open Category (for entries by siblings, family members, Boy Scouts, and for additional cars entered by an individual Cub Scout in excess of his Rank entry allowance - cars have more liberal compliance requirements in this Division).
- b. As soon as possible prior to any race, a complete listing of prize categories and awards being offered shall be made available for general distribution or through electronic means. The Race Committee reserves the right to grant additional awards or prizes to any Entrant or car on any basis at any time, based on ad hoc or exceptional criteria.
- c. Awards will generally be given to Cubs by Rank and/or by standing overall among all Cub Rank divisions in each event. Race organizers reserve the right to limit, substitute, or withhold awards in categories, ranks, or divisions on the basis of too few entries. Generally there must be at least 3 more cars entered than awards granted in each award category.
- d. Awards in certain selected events and/or Divisions may be based on subjective criteria (most creative, best workmanship) As such, they are not subject to review or challenge. The decision of the judges in such events is final.
- e. Awards based on objective criteria (elapsed time, proximity to target, etc.) may be challenged during the event only on the basis of measurement error or competing car or spectator interference.
- f. No more than one place award per event shall be awarded to the same entrant for cars entered in any one Division. This does not preclude, however, an Entrant's receiving a Division place award and an overall place award(s) for the same car, or receiving multiple awards for the same car in different Events.

IV. INSPECTION AND DISPUTES

- a. Immediately after registration, each car will be weighed and inspected for rules compliance at one or more Inspection Stations.
- b. Each car must pass inspection before it can compete. Official inspectors have the right to disqualify any car that fails to comply with these rules. Entrants will be informed of the specific issues of non-compliance and given an opportunity to modify their car(s) to bring them into compliance and to resubmit their car(s) for re-inspection as long as registration remains open. If an Entrant's car cannot be brought into compliance for its intended Division, Inspectors may reclassify the car for entry in the Open Divisions as long as it satisfies the compliance requirements for those Divisions.
- c. The owner of a car suffering mechanical problems which prevent it from completing an official timing run will be given the opportunity to repair the car and submit it for a new timing run. Repaired cars must be re-inspected prior to being re-run.
- d. Any car observed to be leaving visible marks on track or guide-strip surfaces or otherwise considered likely by Inspectors or Race organizers to cause damage to track or timing apparatus may be suspended from further race activity.
- e. Ungentlemanly or unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/or the race area.
- f. Any protest of a car's compliance with the Construction rules or of its Divisional classification must be filed with Race organizers before registration closes in order to allow time for reinspection or re-classification, as appropriate.
- g. All rules will be interpreted in consideration of the Scout Oath and Scout Law.
- h. Any participant or their guardian may appeal to the Race organizers for interpretation or clarification of these rules. Any decision by the Race organizers as to clarification or revised interpretation will be considered binding and final.
- i. All disputes as to rules conflicts, interpretation, or the specifics of any race event shall be referred to the Arbitration Committee for final determination

V. GENERAL RACE CONDITIONS

- a. Only designated Race Handlers shall be allowed to handle cars during timing runs used to determine time standings unless specifically authorized or directed by the Race organizers.
- b. Proper positioning of any cars will be limited to correct direction of car and reasonable alignment of car to track.