

2010

Pensacola Bay District PINWOOD DERBY RULES

Download this and other Pinewood Derby information at
WWW.GulfCoastCouncil.org (under News / Pensacola Bay)

LOCATION: National Museum of Naval Aviation
Pensacola Naval Air Station, Pensacola, FL.

DATE: February 13, 2010

TIMES: See Attached Race Schedule

The Pinewood derby is one of the most popular and successful special events in Cub Scouting. Like all successful activities, it requires planning and preparation, but its value in fun and strengthening family relationships has been proven over the years.

Pinewood derby cars are simply small models of specified dimensions, created, carved, and assembled by the boys, under the guidance of their parents or other family members. The cars are gravity powered and run down a regulation track.

Every Pack should have a Pinewood Derby Coordinator. Each Pack will want to hold their own Pinewood derby race in January to determine the three fastest finishers in each of the following categories; Tiger, Wolf, Bear, 4th. Grade Webelos, and 5th. Grade Webelos Those finishers will be eligible to participate at the District Pinewood Derby. Exact race times and schedules are provided in the back of this packet. District awards will be given to the top three finishers in each category; Tiger, Wolf, Bear, 4th Grade Webelos and 5th Grade Webelos All participants will receive a participation certificate.

The Pinewood Derby Coordinators or the Cub leaders are responsible for giving these rules to their cub scouts and making sure they abide by them whether or not the pack uses them at their own races. They are also responsible for completing the registration form at the back of this packet and have Read, Initial, and Signed the "Participant Requirements And Agreement".

Please fill out only one registration form per Unit..

Please call: Ben Womble, Race Coordinator at 380-8366, or
E-Mail at btwomble@hotmail.com, for further information or if you have any questions.

**Pensacola Bay District
PINWOOD DERBY
RULES**

I. GENERAL RULES

1. All participants must build a new car each year. Cars used in a previous year, if discovered, will be disqualified.
2. A boy is allowed to enter only one car. Each Cub Scout must present his own car for registration abiding by BSA and the current District Pinewood Derby Rules.
3. A boy can only participate in one division each year and must be present at registration and the race to have his car raced.
4. The race committee will determine additional rules to be followed, if needed, and will share this information with all units.
5. The names of the top three (3) finishers or substitute in each division for a unit must be turned in to the Scout Office, E-mailed to race coordinator btwomble @ hotmail.com, or faxed to 434-9674.

By MONDAY, FEBRUARY 8, 2010.

PLEASE USE THE REGISTRATION FORM PROVIDED IN THE BACK OF THIS PACKET or ONLINE at WWW.GulfCoastCouncil.org (under News / Pensacola Bay) !

Any boy who is not certified by his unit as being one of the three top finishers or as a substitute will not be allowed to compete. **Only three names per Division** can be turned in by a single Pack. **NO Alternates!**

5 Divisions: Tigers, Wolves, Bears, Webelos I, Webelos II

6. The decisions of the race committee, and any necessary interpretations of the rules, or judgments not covered by these rules, are final and will be made with the best interest of all concerned.
7. The scale used by the race committee is the official and final weight determination device regardless of how your car weighed during your unit race.
8. All cars will be weighed the day of the race by the race committee.
9. Registration times are absolute with no exceptions. It is the responsibility of each boy to be on time and to make any necessary allowances for weigh in delays, lines, registration, etc. All races will start at the posted times.
10. The Cub Scout must be present and enter his own car into competition.

**Pensacola Bay District
PINWOOD DERBY
RULES**

II. CONSTRUCTION RULES

1. Each car will be constructed from the materials provided in the official BSA Pinewood derby race kit.
2. Overall **WIDTH** shall not exceed 2-3/4 (2.75) inches.
3. Overall **LENGTH** shall not exceed 7 inches.
4. Length and width will be determined by the use of a jig slipped down over the top of the car.
5. **WHEELS** - wheels can be trued and polished, however they can not be rounded or beveled. Wheels may not be altered by the use of a lathe. Such actions will result in disqualification. The appearance of the wheels must be essentially the same as they come in the kit with only minor shaping to make them run smoothly.

ALL WHEELS MUST BE APPROXIMATELY THE SAME DIAMETER AND WIDTH AS SUPPLIED IN THE KIT. NARROW RACING OR ROUNDED WHEELS WILL BE DISALLOWED.

*** NO WHEEL COVERS WILL BE ALLOWED. ***

6. **AXLES** - the axles will be the ones provided in the official BSA kit. Axles may be sanded or polished to remove any sharp edges. No straight axles will be allowed, only the nail shaped axles provided in the BSA kits are allowed.
7. **WEIGHT** - the overall weight of the car shall not exceed 5.0 ounces as determined by the race day scale. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal. All weights must be securely built into the car body or chassis. The taping of coins, etc. to the top of the car is strongly discouraged. No loose materials of any kind are allowed on the car. Due to minimum track clearance, no weight is to be added to the bottom of the car unless the weight is "recessed" inserted into the body. Weights or objects dislodged during the race can not be placed back on the car during the race (see page 5, rule section III. 2 Race Procedures).

If changes are made to the car during registration the participant and car must go to the end of the line to start re-registration!

8. Washers or bushings on the wheels are not allowed.
9. No types of springs or shock absorbers are allowed.
10. No starting device of any kind is allowed.

**Pensacola Bay District
PINWOOD DERBY
RULES**

II. CONSTRUCTION CONTINUED

11. A minimum of 1- 3/4 inches between the inside of the wheels is needed to allow the wheels to clear the grove in the track.
12. The car must have a minimum of 3/8 inches of clearance between the bottom of the wheel and the bottom of the car to insure that the car will not touch the guide strip on the track.
13. No lubricating oils or grease may be used. Axles may be lubricated with powdered graphite, (PTFE), or silicone only.
14. **INSPECTION** - Each car must pass inspection by the race inspector before it is allowed to compete. The inspector has the right to disqualify those cars which do not meet specifications.
15. The order of finish in each race will be determined by a photoelectric cell located at the finish line that is triggered as soon as any part of the car blocks out enough light to activate the sensor. It is strongly suggested that each race car be constructed in such a manner as to **avoid having a sharply pointed (needle like) nose** that if the car crosses the finish line in such a manner as to be shifted off center, the pointed nose may not activate the sensor.

**Pensacola Bay District
PINWOOD DERBY
RACE RULES**

III. RACE PROCEDURES

1. Each **Scout must be present** to register and to have his car raced.
2. If a car breaks down or if anything falls off of the car during the race, it cannot be repaired unless the damage is caused by another car, in which case the boy will have five (5) minutes to complete any necessary repairs.
3. If a car is damage beyond repair due to whatever reason(s) the car will be judged as not raceable and will have suffered the hazards of racing.
4. Lane Selection: Lane and placement will be by random selection. A fair rotation of the lanes will occur during elimination heats.
5. The race will employ a double elimination format. A Scout will have to loose (come in 3rd place or later) twice to be out of the race.
6. A photoelectric cell at the finish line will determine the order of finish for each race.
7. Any malfunction of a car due to the fault of the track or any race committee person will be allowed to be re-raced.
8. If a car leaves the track due to the fault of the car, its order of finish will stand.
9. If a car runs out of its lane due to the fault of the car, its order of finish will be as is.
10. If a car interferes with another car due to the fault of the car, the wrecking car will ruled as finishing third and the other two cars will be placed first and second place for that particular race.
11. **After the car is registered and has passed the final inspection, it will be placed in the proper holding area (impound) and the boy, his parents or other adult(s) will not be allowed to touch or modify the car.**
12. All Cars will be returned to the boys after the final race in each category.
13. The Cub Scout must bring all questions to Track Officials promptly. If a question comes up which is not covered in the rules, the race commissioner will make a decision which will be as fair as possible and will be final.
14. **Race committee decisions are final.**

2010

PENSACOLA BAY DISTRICT PINWOOD DERBY CHAMPIONSHIP

SATURDAY, FEBRUARY 13, 2010
National Museum of Naval Aviation
Pensacola Naval Air Station
RACE TIMES

Tentative Schedule *

9:30 - 10:00	Check-in & Inspection for TIGERS
10:00	START RACE FOR <u>TIGERS</u>
10:00 - 10:45	Check-in & Inspection for WOLVES
11:00	START RACE FOR <u>WOLVES</u>
11:00 - 11:45	Check-in & Inspection for BEARS
12:00	START RACE FOR <u>BEARS</u>
12:00 - 12:30	LUNCH BREAK FOR <u>INSPECTION STAFF</u>
12:30 - 1:00	Check-in & Inspection for WEBELOS I
12:45 - 1:00	LUNCH BREAK FOR <u>RACE STAFF</u>
1:00	START RACE FOR <u>WEBELOS I</u>
1:00 - 1:30	Check-in & Inspection for WEBELOS II
1:30	START RACE FOR <u>WEBELOS II</u>

** Times will be adjusted to accommodate the needs of the race.
Races will not start before scheduled time.*

This will be a double elimination race where each boy will be given the opportunity to race at least twice. The rules of the Pinewood Derby, in this packet will be strictly adhered to.

If you have any questions or problems, please call Ben Womble at (850) 380-8366 ,
or E-mail to: BTWomble@hotmail.com

Download this and other Pinewood Derby information at WWW.GulfCoastCouncil.org

2010 PENSACOLA BAY DISTRICT
PINEWOOD DERBY REGISTRATION FORM

This form must be returned to the Scout Office,
9440 University Parkway, Pensacola, Fl. 32514
or FAXED to 434-9674, or E-mail to BTWomble@hotmail.com

No later than Feb. 8, 2010

Cub leaders or Pack Derby Coordinators are responsible for giving the district rules to their cub scouts and making sure they abide by them whether or not the pack uses them at their own races.

The following scouts are eligible to race in the district race.

Pack Contact Person: _____ **PACK #** _____

Phone # _____ E-mail: _____

Please print legible and use the correct spelling of the Scouts name. These names will be used to print Participation Certificates.

ONLY 3 NAMES PER CATEGORY! -- NO ALTERNATES!

Scout's Name (**Print clearly**)

Parent's Signature *

TIGER:

_____	_____
_____	_____
_____	_____

WOLF:

_____	_____
_____	_____
_____	_____

BEAR:

_____	_____
_____	_____
_____	_____

WEBELOS I:

_____	_____
_____	_____
_____	_____

WEBELOS II:

_____	_____
_____	_____
_____	_____

* Parents and scouts have read and agree to abide by District Pinewood Derby Rules. *

GULF COAST COUNCIL, BOY SCOUTS OF AMERICA
PENSACOLA BAY DISTRICT
2010 PINWOOD DERBY
NATIONAL MUSEUM OF NAVAL AVIATION

PARTICIPANT REQUIREMENTS AND AGREEMENT

PLEASE READ CAREFULLY AND INITIAL EACH PARAGRAPH BELOW:

The National Naval Aviation Museum at Naval Air Station, Pensacola, Florida is a national shrine. Organizations permitted to use its facilities for special events such as the Cub Scout Pinewood Derby are expected to conform to Museum policies and regulations and reflect positively on the Boy Scouts of America. This use of Museum facilities is a privilege, not a right. Cub Scout Packs participating in the Pinewood Derby must complete and sign this form as part of their pre-registration process. The Cubmaster or another designated, registered Pack leader assumes responsibility and accountability for the conduct and behavior of all the youth and adult members of their unit while participating in Pinewood Derby. **Failure to complete and sign this agreement will result in a unit's exclusion from participation. Failure to abide by the agreement and its terms may result in disqualification and expulsion of the entire unit from the event. NO EXCEPTIONS.**

1. A Cubmaster or designated, registered unit adult scouter is required to sign this form acknowledging conditions and accepting responsibility for compliance. Leader Initial: _____
2. Food and drinks are prohibited in the Museum except within the boundaries of the Cubi Bar/Café or its adjoining WestPac room. Visitors may not introduce food and drinks from outside the Museum at any time. Leader Initial: _____
3. Participating Cub Scouts are required to be attired in the **full official BSA uniform**, to include uniform shirt, uniform trousers or shorts, and with Pack numerals on their shirts. Scouts dressed in partial or no uniform will not be registered into the derby nor have their cars seeded into heats. Leader Initial: _____
4. Scouts and adult Scouters shall conduct themselves in a Scout-like manner at all times while a guest at the National Naval Aviation Museum. Running anywhere in the Museum is prohibited. Scouts may cheer and demonstrate team spirit in the Blue Angel Atrium during the races, but loud and raucous conduct in other areas of the Museum is inconsiderate of the general visiting public, and shall not be tolerated. Leader Initial: _____
5. Unit leaders and parents are expected to closely supervise their scouts and children at all times. Unaccompanied scouts or children are not to wander beyond the immediate vicinity of the Pinewood Derby in the Blue Angel Atrium. Participating packs shall ensure that adequate adult supervision is on hand to effectively police and monitor the youth of their unit. **Two-deep adult leadership shall be observed at all times.** Leader Initial: _____
6. Vandalism or littering of any Museum display, artifact or facility, in particular, the lavatories, is cause for immediate expulsion from the event and from the Museum of the perpetrator's **entire unit**. Anyone observing such conduct is required to report it immediately to the Derby Chairman and the military sponsor of the event. Leader Initial: _____

7. Participating scouts, scouters and families shall observe all posted Museum rules and off-limits areas, and shall obey the directions given by Museum personnel and/or Navy Police or Security while in the Museum or onboard NAS Pensacola. Leader Initial: _____

8. Climbing on any Museum aircraft or display is strictly prohibited. Exceptions are the 40 mm Bofors anti-aircraft gun mount on the flight deck, cockpit displays and children's activity center adjacent to the Gift Shop. Leader Initial: _____

9. Participating scouts, scouters and families shall comply with the decisions made by the Derby Chairman or military sponsor of the event. Leader Initial: _____

10. Unit leaders understand that they may be held liable for damages resulting from willful acts caused to the Museum or Museum facilities by members of their units. Leader Initial: _____

I ACKNOWLEDGE AND ACCEPT THE CONDITIONS AS SET FORTH ABOVE AND UNDERSTAND THAT THE MUSEUM OR MILITARY SPONSOR RESERVES THE RIGHT TO CANCEL AN EVENT AT ANY TIME.

Signed: _____ Date: _____

Printed Name of Leader _____ Unit: _____ Position: _____