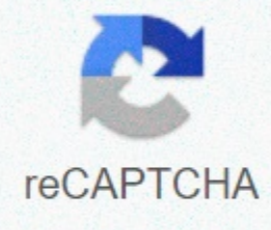




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Space derby winder

Everything related to Space Derby racing and event coordination. billbillb Apprentice Post: 18 New: 08.09.2005 7:58 Post by billbillb » Fri, 30 Sep 2005 09:12 Do anyone know of any commercial sources for an autowinder ? We have our first package place derby. Please send me directly @ trainbb@aol.com Thank you Bill Williams Drag'ngoat Apprentice Post: 16 Joined: Sat 08 Oct 2005 19:49 Location: Hugo, Minnesota Post by Drag'ngoat » Mon October 10, 2005 6:05 am I had to answer this because three years ago I witnessed my first place derby. The hand exercises worked, but I thought we could do things a little better. The following year I came up with The Binder Winder. It's a simple machine that not only winds 4 place derby is at a time, but it also counts the number of turns. Our package uses 3 rubber bands that are soaked in glycerin and we end them up to 110 turns. Broken rubber bands are few and far between, and the Binder Winder can make the 110 turns in about 10 seconds using an average wireless drill. If you want, I can try to dig up some pictures of the machine and send them to you. By the way, my machine costs about \$100 in parts, but you may be able to make it cheaper using different materials. Personally, I think it was worth every penny since kids really like racing their rockets, and it removes a lot of the frustrations because of broken binders, lost counts, and long downtime between laps. Last edited by Drag'ngoat on Mon, 30 Jan 2006 6:27, edited 1 time in total. Drag'ngoat Apprentice Post: 16 Joined: Sat 08 October 2005 19:49 Location: Hugo, Minnesota Post by Drag'ngoat »Wed 12 Oct 2005 08:05 I do not see a way to post pictures on this forum, is it possible or am I missing anything? I have pictures of my perm winder and I want to share them without sending individual emails to each person who wants to see them. gpraceman Site Admin Post: 4850 Joined: Fri, 20 Jun 2003 12:46 Location: Highlands Ranch, CO Contact: Contact gpraceman Post by gpraceman » Wes October 12, 2005 08:49 Drag'ngoat wrote: I do not see a way to post pictures on this forum, is it possible or am I missing anything? I have pictures of my perm winder and I want to share them without sending individual emails to each person who wants to see them. Instructions for posting photos are . The image must already be uploaded to a website somewhere. Randy Lisano Romans 5:8 Awana Grand Prix and Pinewood Derby racing - Where a child, an adult and a small block of wood combine too much fun and memories. RTW26 Apprentice Posts: 2 New: Sun, 13 November 2005 11:49 Location: Columbus, OH Post by RTW26 » Mon, 14 Nov 2005 8:33 Pm Hello guys, Has anyone used Sky Blade electric winder? ... gory_Code = They look like they have a counter to tell how many but I'm worried about how long the battery will last and whether the device can stand up to a day of racing. Thanks! Drag'ngoat Apprentice Post: 16 Joined: Sat 08 Oct 2005 19:49 Location: Hugo, Minnesota Post by Drag'ngoat »Tue Nov 22, 2005 12:09 pm I saw one of the handheld models last night at a local place derby. It looked like the one depicted on the previous post. Although it was easy to use and securely portable, it looked like it had trouble winding only (2) rubber bands up to 100 turns. Our package runs (3) binders and we discontinue them up to 110 turns. We get it done in less than 15 seconds, four at a time. Last edited by Drag'ngoat on Mon, 30 Jan 2006 6:26, edited 1 time in total. Drag'ngoat Apprentice Post: 16 Joined: Sat 08 Oct 2005 19:49 Location: Hugo, Minnesota Post by Drag'ngoat » Tue Nov 22, 2005 12:14 I forgot to mention that at the end of the race the batteries in the handheld model must have given out because the children were discontinued their own rockets for the last couple of races. provo61 Apprentice Posts: 5 New: Wed 18 Jan 2006 07:50 Post by provo61 »Mon Jun 05, 2006 8:29 Hello all We ran our Space Derby this weekend.... I built the slot THANKS TO PACK 80 plans Very good... As for the winders we bought INNOVATOYS SKY BLADE WINDERS after only a few race counters would not reset, and it seemed the gears were stripping out and the engine just didn't have enough torque, we ran both 2 and 3 rubber bands. We ended up winding down and counting by hand, made for a long nite BINDER WINDER for next year. Have a great day!!!! bradleystone Apprentice Post: 2 Join: Thu Nov 29, 2006 1:14 Pm Location: Irvine Ca Post by bradleystone » Wes November 29, 2006 14:08 Drag'ngoat-can you send me design, pictures of Binder Winder? bstone@refractec.com Thanks bradDrag'ngoat wrote:I had to answer this because three years ago I witnessed my first space derby. The hand exercises worked, but I thought we could do things a little better. The following year I came up with The Binder Winder. It's a simple machine that not only winds 4 place derby is at a time, but it also counts the number of turns. Our package uses 3 rubber bands that are soaked in glycerin and we we end them up to 110 turns. Broken rubber bands are few and far between, and the Binder Winder can make the 110 turns in about 10 seconds using an average wireless drill. If you want, I can try to dig up some pictures of the machine and send them to you. By the way, my machine costs about \$100 in parts, but you may be able to make it cheaper using different materials. Personally, I think it was worth every penny since kids really like racing their rockets, and it removes a lot of the frustrations because of broken binders, lost counts, and long downtime between laps. Drag'ngoat Apprentice Post: 16 New: Sat 08 Oct 2005 pm Location: Hugo, Minnesota Post by Drag'ngoat » Thu November 30, 2006 6:52 am I finally got a video of Binderwinder in action. It's a low-quality video, but you can see how we do it. The video is from our packages space derby which was held this past Monday. Just for the record, I have two guys and one wanted to make his rocket look like a school bus and the other wanted to win. The school bus stopped moving at about half the track (18 feet) and the fast seemed to gain speed throughout the entire length of the course. The quick one had no fins and a very thin (1/8) wall thickness. Here's the link to the video. gpraceman Site Admin Post: 4850 Joined: Fri, Fri, 20th Jun 2003 12:46 Pm Location: Highlands Ranch, CO Contact: Contact gpraceman Post by gpraceman » Thu 30 Nov 2006 10:14 Drag'ngoat wrote: I finally got a video of Binderwinder in action. It's a low-quality video, but you can see how we do it. Pretty snazzy. So, when to start marketing these things? Randy Lisano Romans 5:8 Awana Grand Prix and Pinewood Derby racing - Where a child, an adult and a small block of wood combine too much fun and memories. bradleystone Apprentice Post: 2 Joined: Thu Nov 29, 2006 1:14 Pm Location: Irvine Ca Post by bradleystone » Mon Dec 11, 2006 10:46 Pm Drag N Goat, VERY COOL winder. The video is great. Do you have any plans or drawings to replicate???? I have 85 guys in my Pack and our Derby is in February, so I have time to build this Binder winder but need details. Thanks brad Our package looking into Space Derby. We're abroad, so we have limited resources. Looking for a BOM to set up the track and winder. Seeking a set of rules. One hours spent building the track, and other useful information. Thanks in advance, Scott Our package actually changed the space derby to a rocket launch day with a local rocket club. They had more fun with it when the space derby. 1 As I would budget in the band help is in for the event. We had actually discussed alternating rain gutter and space derby, just to look it up. After a lot of research, we decided against it. I'm sure it's a fun event. but with scouts getting younger now one day and propellers ended up a 100 times is bound to end up with nicked little fingers. I made balsa slow-moving as a child, which had folding propellers so that the glider would climb and when the rubber band was finished when the propeller would fold along the hull for the sliding part. We never nicked any fingers as we used a Brace (old-fashioned hand drill) to wrap the prop. I've watched YouTube videos where they made a winder using pulleys and belts. I'm looking for blue prints and instructions for a build as in this video. I am also interested in any variations. Cub Scouts don't do space derby? I did this post six days ago and never any answer to the question I asked. Asked. Some? I just did a search on the space derby track and sure enough more entries came up. Our package moved away from the traditional place derby years ago, and those who built the track are long gone from the pack. I think a lot of packages have found that it wasn't worth the trouble. 1 In @jacobfetzter once again, our package is on Okinawa, Japan, and we have restrictions lack of resources on things like rocket engines in this country. I'm looking for information on how to do Space Derby. I am NOT seeking information on why not to do Space Derby. I'm sure there are a million excuses for not doing anything. Space Derby from my research using YouTube it doesn't seem so hard for me to build the track or winder, BSA provides kits. We (Pack 110) need to get some drawings, BOMs and assembly directions from someone who has done this before. This information is required for the annual package planning meeting and budget process. I thought with 10.000nds of scouts out there this would be the forum to get some easy help. Be useful! Very respectfully, Scott Scott - here's what my google search found for me: Share Little Sunshine - 15 Mar 17 Space Derby is a good break from the Pinewood Derby. Plus slot is quite simple and cheap to make. And you can reuse it for years to come! 1 As @Stephen_Hornak, Thank you very much! Very respectfully, Scott Scott, you are warmly welcome. I would say that a rocket launch with a rocket club with a 1-kilometer altitude clearance was far more fun for our scouts. Scott, Our package does Space Derby every year and loves it. We actually do all three derbies every year, Rainboys in the fall for recruitment, Space in winter, Pinewood in the spring. I started with the plans in Cub Scouts Leader How-to Book (available on Amazon). It uses basic hardware store lumber and materials. But being a woodworker and an engineer, I might have changed my plans. I lowered it from 8ft high to 4ft, added cross-invigorating, changed the starting gate, made it tool-less foldable, etc. Still a work in progress, so I haven't made up any drawings. The basic plan from the book works just fine though. BestTrack makes an aluminum Space Derby track similar to their Pinewood tracks, but not sure how shipping would be to your side of the globe. Tips& Tricks: - Has side activities for scouts, Space Derby is not as fast-paced and interactive as the other derbies. -Get leaders/adults to do curvy. Although I design an automatic winder to integrate into the starting gate (ya, I'm that guy!), the derby moves much faster. I can wrap a rocket to 100 turns in under 20 seconds, no tape aid required. Also making for some mini-competition between winders, we get the crowd involved cheering winds between rounds. - Ha. layer, a pre-winding next round. -Loading/launching/retrieving the rockets is good Scout engagement that doesn't slow things down much. - Replace the trash line that comes with the set from the scout shop. Use a high-quality synthetic line, much stronger, lighter and smoother (no lubricant required). -I have not found a glue that will hold the hanger clamp together (the part that rides on the line and holds the rocket). I used small #10-32 fasteners to amplify and keep the clamp from breaking up. - Spare parts and super glue! We went through rubber bands, hangers and fins that fell off, and even broke 2 props this year (new record). Hope this helps. Yours in Scouting, Duane 2 Likes Scott, I'm considering a Raingutter Regatta for an autumn recruitment event. We can do it out in mid-September, after we've made out the field at the local schools. Have you had success with that? Raingutter Regatta is super simple and fun. Buy some 60 gravel sandpaper, the pins work, but a small 2x3 piece is easier. Just let the kids sit down and grind their pieces in shape. Then you can have paints and markers or send them home to decorate. Stickers on the sail work well. I have a little package, so we mix up the races. The Scouts get 1 point if they beat a younger Scout, 2 for the same class, 3 for an older scout. Since the larger children have greater congestion this levels playing field some. I have a set of metal raingutters but boats stay on the sides. I bought a couple of sets of the official inflatables for next fall. We will hold it the first week of October for 2019 and hand out boats starting the second week of the program year conditional on registration. This will give the Scouts something to look forward to quickly. We kept it December this year inside (tile floors) to be a good in activity and it was too late in the season. I want it to help with storage and then everyone who was already going to quit. Thank you, Kevin. I'm going to push hard for this at our annual planning meeting on 17 May. An inflatable \$27 racetrack is something we can get done. Each trimaran kit is \$6, and it looks like they no longer sell the old sailboat kits. Trimarans is probably a big improvement anyway. I hope to hand out kits at the first meeting in September and do the event outdoors later in the month. Grill up some sausages. Get the word out into society and see how many prospects we can get to show up. Thank you, again. Din in Scouting, Peter Best slots make a pre produced one if you don't want to build and have the budget for it. I think you can even use pwd hours scoring system for it if you wanted. 1 Like String on Volleyball standards is how was used in my packages as a child. Good coated string on tension. Voltage.

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