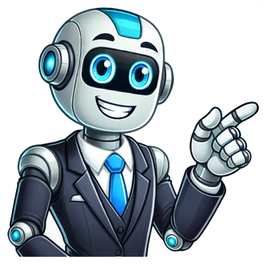
I'm not a robot



Are you getting into the world of CO2 dragster racing? It's an exciting environment, especially if your car is successful. There's nothing like seeing the car you built from scratch cross the finish line ahead of your opponents. Many CO2 racers have backgrounds in engineering and mechanics. If you have a knack for these areas, you should do well and have fun. It's easy to understand why a mechanical background is helpful in CO2 racing. Success and speed begin with design. Sometimes even the smallest design trait can make all the difference in a split-second victory. Keeping your car as light as possible is an obvious way to improve speed. However, you should assume that every racer will have a car at or near the allowable minimum weight. To win your races, you'll need more than just a lightweight car. Below are a few tips that can put your dragster over the top. Think about golf balls. It may seem like a sleek, smooth surface would be best for a fast dragster as it appears to be the most aerodynamic solution. However, consider the texture of golf balls. They aren't sleek or smooth. Rather, they have small dimples all over the surface. These dimples serve a couple of important purposes. First, they remove weight from the ball. More importantly, they eliminate the pocket of air that can form behind a ball and become a drag on its speed. Instead, the air attaches to the dimples and forms a layer of air surrounding the ball. This actually helps the ball move faster through the air than it would if it were smooth. Take the same approach with your dragster. Consider creating small dimples or pockets in the surface so air will form a close layer around the car as it moves down the track. Otherwise, air could go right past the car and develop a rear pocket that holds your car back. Keep your car low. Air drag doesn't just happen on the top of the car. It can also occur below the car's chassis. It may be difficult, but try to keep your car as low to the ground as possible. The less space that exists between the track and the chassis, the less room there is for air to get under the car and form a drag pocket in the rear. Along those same lines, don't use wide axles. The axles could act as a resistant against airflow and reduce the car's speed. Try to keep the axles as narrow as allowed under the race guidelines. Take it easy with the paint job. It always feels good to have a car that looks stylish. However, that style doesn't mean anything if it costs you the race. Go light with the paint on the exterior of your car. Multiple layers of paint can actually add weight and reduce the car's speed. Instead, try to get one good layer in a stylish color. Remember, winning is the ultimate style point. Ready to design your CO2 dragster? Contact a CO2 car dealer. They can help you find the parts and tools you need to design and build a winning car. Shane Marshall 24 August 2018 Tags: 528 Words C02 Car wedgeTwo axle rodsFour C02 dragster wheelsC02 CanisterPencilPaper or sketchpadHammerChiselDrillJigsawSteel woolPolishing compoundDry powder lubricant Racing Co2 emission cars--more colloquially known as C02 dragsters--has been a staple of shop, science, and design classes for decades. Not only does the process give children and teens hands-on experience with the principles of design, aerodynamics and wood working, it's fun and exciting to see your dragster beat out the other contestants in your race. Sketch out a design for your C02 dragster. Remember, the single most important factor in your dragster's speed is the weight of your car. In pure speed terms, the race won't last long enough for aerodynamics to play more than a passing role, so the key to speed is designing a car with as little weight as possible while still keeping enough strength not to shatter under the strain of the C02 propulsion. Let your C02 block sit out in a warm, dry place for a minimum of a week. Alternately, you may put it in the oven at a very low temperature for a few hours, making sure to check on it every twenty minutes or so. A C02 block is a wedge-shaped piece of wood with a precut hole for a C02 cartridge. Letting it sit draws the moisture out of the wood, therefore reducing its weight without sacrificing the wood's strength. Draw your car's design onto a C02 car block. Cut the C02 block to conform to the design you drew on it using a jigsaw. If you have to carve out sections to accomplish this, carefully use a hammer and a chisel for this purpose. Sand down your dragster until it's smooth all the way around. Paint your dragster using a high gloss paint. You'll want to put on a minimum of six coats--waiting until each coat is perfectly dry--then lightly sanding it smooth between each coat. Once the final coat is dry, give it an additional coat of sealant such as polyurethane. While only one coat is needed, two to three will make your car shine. Done right, this will give your car a gorgeous finish as well as a slightly reduced wind resistance. Drill out holes near the front and rear of the car to slip the axles through. You need the axles to spin freely, make sure the drilled hole are slightly larger than the axles, and that you sand down the area around all four holes. Scrub down the axles using steel wool and polishing compound until they shine. This will make them spin more freely. Coat your axles with a dry powder lubricant, such as graphite, then insert them into the holes you drilled in your dragster. Attach the wheels to your axles. Place the C02 canister into place only immediately before the race. Before that, carry it around in your pocket. Your body heat will warm the canister, putting its contents under greater pressure, which will give your car a greater initial burst of speed. Pierce the back of the C02 canister with your needle, and watch your dragster soar ahead of the rest. ok for school, i am having to make CO2 cars...here is some information about it well anyway, i need to make the fastest one... (kinda of to help my grade xD) well i was wondering what the best design is for it... the specifications i must have for body legnth are... Maximum: 12" Minimum: 7 7/8" the cars are raced on a 75' track thank you so uch for taking your time to help me (if u help me) Also i will try to post some pictures of what the starting block i get looks like from CAD... also am I able to upload CAD pictures to this forum? We are not going to design it for you -- that's your assignment. What ways do you think you can optimize your car to be fast? What are the variables that affect how fast it can accelerate, and limit its top speed? well I am not asking to do it for me iwas asking for the best performing design, and i would modify it...i was thinking of a simple design that is like a point kind of... On the 15th October 1997, at Black Rock, Nevada USA, Andy Green piloted the Trust SSC (SuperSonic Car) and achieved what was previously thought impossible. He travelled at a speed of 1,227.985 km/h (Mach 1.020) and broke the sound barrier.What types of friction are impacting the c02 dragster?There are two types of friction that come into play with CO2 race cars: surface friction and fluid friction. Both of these are inversely proportional to speed!What makes a CO2 car slow?Aerodynamics, thrust-to-weight ratio, surface drag, rolling resistance and frictionall play a role in what makes a CO2 car fast or slow.Is it better to have a very light or very heavy CO2 dragster?Simply put, the less weight your dragster has, the faster it will go. This is the most important factor that will figure into your design. Keep it light!What is the best length for a CO2 car?You need to have at least 60 feet without any obstructions. Any shorter distance than this, and the cars will destroy themselves upon finishing a race. The optimum track length is 66 feet (20 Meters), which is in scale with real dragstrip lengths of a quarter mile.How can I make my CO2 dragster faster?Simply put, the less weight your dragster has, the faster it will go. This is the most important factor that will figure into your design. Keep it light! Thrust: The gas escaping from the CO2 cartridge in the car.How does a CO2 powered dragster work?How CO2-powered Dragsters Work. Simply put, the less weight your dragster has, the faster it will go. This is the most important factor that will figure into your design. Keep it light! Thrust: The gas escaping from the CO2 cartridge in the car. Well cover this in a bit. Friction: The second most important fact youll face. What makes a dragster go faster than a regular car?Simply put, the less weight your dragster has, the faster it will go. This is the most important factor that will figure into your design. Keep it light! Thrust: The gas escaping from the CO2 cartridge in the car. How to reduce the aerodynamic drag of a CO2 car?It is possible to reduce the aerodynamic drag of CO2 cars by shaping the rear section in a boat-tail form. The axles fitted into dragster cars need to be as short as possible. Drilling the holes for axles before shaping any other part of the car is necessary; it is important from the point of maintaining the axle in a steady position. When was the CO2 dragster F1 car built?An F1 car built by Archbishop Temple School for the F1 challenge in 2003. Your CO2 dragster may be small, but its going to be moving at incredible speeds when you race it. Share copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution You must give appropriate credit , provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. ,the free encyclopedia that anyone can edit.117,937 active editors 7,001,149 articles in EnglishThe English-language Wikipedia thanks its contributors for creating more than seven million articles! Learn how you can take part in the encyclopedia's continued improvement.GL Mk.II transmitter vanRadar, Gun Laying, MarkI, or GL Mk.I for short, was an early World WarII radar system developed by the British Army to provide information for anti-aircraft artillery. There were two upgrades, GL/EF (elevation finder) and GL Mk.II (pictured), both improving the ability to determine a target's bearing and elevation. GL refers to the radar's ability to direct the guns onto a target, known as gun laying. The first GL sets were developed in 1936 using separate transmitters and receivers mounted on gun carriages. Several were captured in 1940, leading the Germans to believe falsely that British radar was much less advanced than theirs. The GL/EF attachment provided bearing and elevation measurements accurate to about a degree: this caused the number of rounds needed to destroy an aircraft to fall to 4,100, a tenfold improvement over early-war results. The Mk.II, which was able to directly guide the guns, lowered the rounds-per-kill to 2,750. About 410 Mk.Is and 1,679 Mk.IIs were produced. (Fullarticle...)Recently featured: Andrea NavageroNosy KombaMcDonnell Douglas Phantom in UK serviceArchiveBy emailMore featured articlesAboutLieke Klaver ahead in the women's 400 metres final... that a 400-metre race in 2025 (pictured) was won by Lieke Klaver, who pretended that an absent competitor was running in front of her?... that the land snail Drymaeus poecilus is notable for the striking variety of colors and patterns on its shell?... that a forensic investigation of Signalgate has determined how a journalist was included in a group chat about Operation Rough Rider?... that two of the players involved in the 2005 Vietnamese football match-fixing scandal did not accept payment because they felt ashamed?... that a rebellion against a peace treaty with the Yuan dynasty operated out of the Historic Site of Anti-Mongolian Struggle on Jeju Island?... that Nathan Frink fled the United States with enslaved children to settle in Canada, where he was elected as a Member of the Legislative Assembly and caught in a smuggling conspiracy?... that Seattle's women's ice hockey team has an expected rival, despite not even having played their first game?... that Cave Johnson Couts was separately acquitted for shooting his foreman, firing on funeral mourners, and whipping a native laborer to death?... that characters' scars in an episode of The Last of Us were made with a paste-based appliance and a food mixer?ArchiveStart a new articleNominate an articleNgg wa Thiong'oKenyan writer and activist Ngg wa Thiong'o (pictured) dies at the age of 87.In sumo, nosato Daiki is promoted to yokozuna.In association football, Liverpool win the Premier League title.In motor racing, lex Palou wins the Indianapolis 500.Ongoing: Gaza warM23 campaignRussian invasion of UkrainetimelineSudanese civil wartimelineRecent deaths: Phil RobertsonMary K. GaillardPeter DavidAlan YentobGerry ConnollySebastio SalgadoNominate an articleMay 30: Statehood Day in Croatia (1990)Johann Sebastian Bach1431 Hundred Years' War: After being convicted of heresy, Joan of Arc was burned at the stake in Rouen, France.1723 Johann Sebastian Bach (pictured) assumed the office of Thomaskantor in Leipzig, presenting the cantata Die Elenden sollen essen in St.Nicholas Church.1922 The Lincoln Memorial in Washington, D.C., featuring a sculpture of the sixteenth U.S. president Abraham Lincoln by Daniel Chester French, opened.1963 Buddhist crisis: A protest against pro-Catholic discrimination was held outside the National Assembly of South Vietnam in Saigon, the first open demonstration against President Ng nh Dim.2008 The Convention on Cluster Munitions, prohibiting the use, transfer, and stockpiling of cluster bombs, was adopted.Ma Xifan (d.947)Colin Blythe (b.1879)Norris Bradbury (b.1909)Wynonna Judd (b.1964)More anniversaries: May 29May 30May 31ArchiveBy emailList of days of the yearAboutSeventeen performing "Oh My!" in 2018South Korean boy band Seventeen made their debut on May 26, 2015, when they performed a showcase for their debut EP 17 Carat in front of a crowd of 1,000 people. Since then, the group have held 9 concert tours, 13 fan meetings, and have performed at a number of music festivals and awards shows. Their concert tours include the Right Here World Tour, which sold over one million tickets, and the Follow Tour, which was noted by Billboard as being the top grossing K-pop tour of 2023. In 2024, Seventeen made their first appearances at festivals in Europe, when they were the first South Korean act to perform at Glastonbury Festival's Pyramid Stage and as headliners for Lollapalooza Berlin. Seventeen's live performances are well regarded by fans and critics alike, and garnered them the award for Top K-pop Touring Artist at the 2024 Billboard Music Awards. (Fulllist...)Recently featured: Accolades received by Top Gun: MaverickNational preserve76th Primetime Emmy AwardsArchiveMore featured listsIgnace Tonen (1840 or 1841 15 March 1916), also known as Nias or by his Ojibwe name Maiagizis ('right/correct sun'), was a Teme-Augama Anishnabai chief, fur trader, and gold prospector in Upper Canada. He was a prominent employee of the Hudson's Bay Company. Tonen was the elected deputy chief before being the lead chief and later the life chief of his community. In his role as deputy, he negotiated with the Canadian federal government and the Ontario provincial government, advocating for his community to receive annual financial support from both. His attempts to secure land reserves for his community were thwarted by the Ontario premier Oliver Mowat. Tonen's prospecting triggered a 1906 gold rush and the creation of Kerr Addison Mines Ltd., although one of his claims was stolen from him by white Canadian prospectors. This photograph shows Tonen in 1909.Photograph credit: William John Winter; restored by Adam CuerdenRecently featured: Australian white ibisHell Gate BridgeAnemonoides blandaArchiveMore featured picturesCommunity portal The central hub for editors, with resources, links, tasks, and announcements.Village pump Forum for discussions about Wikipedia itself, including policies and technical issues.Site news Sources of news about Wikipedia and the broader Wikimedia movement.Teahouse Ask basic questions about using or editing Wikipedia.Help desk Ask questions about using or editing Wikipedia.Reference desk Ask research questions about encyclopedic topics.Content portals A unique way to navigate the encyclopedia.Wikipedia is written by volunteer editors and hosted by the Wikimedia Foundation, a non-profit organization that also hosts a range of other volunteer projects: CommonsFree media repository MediaWikiWiki software development Meta-WikiWikimedia project coordination WikibooksFree textbooks and manuals WikidataFree knowledge base WikinewsFree-content news WikiquoteCollection of quotations WikisourceFree-content library WikispeciesDirectory of species WikiversityFree learning tools WikivoyageFree travel guide WiktionaryDictionary and thesaurusThis Wikipedia is written in English. Many other Wikipedias are available; some of the largest are listed below. 1,000,000+ articles DeutschEspaolFranaisItalianoNederlandsPolskiPortugusSvenskaTing Vit 250,000+ articles Bahasa IndonesiaBahasa MelayuBn-lm-gCataletinaDanskEestiEsperantoEuskaraMagyarNorsk bokmlRomnSimple EnglishSloveninaSrpskiSrpskohrvatskiSuomiTrkeOzbekcha 50,000+ articles AsturianuAzrbaycancaBosanskiFryskGaeilgeGalegoHrvatskiKurdLatvieuLietuviNorsk nynorskShqipSlovenina Retrieved from " 2EP by Seventeen17 CaratEP by SeventeenReleasedMay29,2015(2015-05-29)GenreK-popdance-pophip hopLength16:48LanguageKoreanLabelPledis EntertainmentLOEN EntertainmentSeventeen chronology17 Carat(2015)Boys Be(2015)Singles from 17 Carat "Adore U"Released: May 29, 201517 Carat is the debut extended play (EP) by South Korean boy group Seventeen. It was released on May 29, 2015, by Pledis Entertainment and distributed by LOEN Entertainment. "Adore U" serves as the lead single for the EP.17 Carat features five tracks written, co-written, and co-produced by Seventeen's group members. "Adore U" was chosen as the lead single for the EP and was performed on multiple music shows by the group. "Shining Diamond" was used as a pre-single on the group's reality debut show. The group stated that the tracklist was chosen to reflect Seventeen's core concept of "boys' passion".[1] The album has two physical versions: one with a "black" themed photo card set, and the other with a "white" themed photo card set. All copies include a CD containing the songs and a fold-up poster/lyric sheet."Adore U" is the lead single of the extended play. It was written by Woozi, S.Coups, and Yeon Dong-geon.[2] The Korea Herald states "'Adore U' is a funky pop song about a teenage boy trying to navigate through puppy love."[3] It marks the beginning of the group's trilogy composed of the singles Adore U, Mansae, and Pretty U about a boy meeting, falling in love and asking out a girl. The track was composed and arranged by Woozi, Bumzu, and Yeon Dong-geon. The music video for the single was released on May 29, 2015, and was directed by Dee Shin. The dance choreography accompaniment to the song was choreographed by Hoshi and focuses on "storytelling, and on highlighting each member's strengths onstage".[4] The single has sold more than 38,000 digital copies and peaked at number 13 on the Billboard US World Chart.The EP has sold over 82,972 copies in South Korea.[5] It peaked at number 4 on the Korean Gaon Album Chart[6] and number 8 on the US World Billboard Chart.[7]Year-end listsCritic/publicationListRankRef.BillboardThe 10 Best K-pop Album of 2015Placed[8]Hoshi participated in the choreography of "Adore U" and "Shining Diamond", Dino choreographed "Jam Jam".[9]Official track list[10]No.TitleLyricsMusicArrangementsLength1."Shining Diamond"WooziVernonS.CoupsKim Min-jeongWooziMasterKeyRishiMasterKeyRishi3:242.""Adore U"" (; Akkinda)WooziVernonS.CoupsBumzuWooziBumzuYeon Dong-geonWooziBumzuYeon Dong-geon3:073."Ah Yeah" (Hip-Hop unit)S.CoupsVernonWonwooMingyuCream DoughnutRishiCream DoughnutRishi3:294."Jam Jam" (Performance unit + Vernon)WooziHoshiDinoVernonWooziCream DoughnutCream Doughnut3:255."20" (Vocal unit)WooziWooziWon Yeong-heonWon Yeong-heonDong Ne-hyeong3:23Weekly chart performance for 17 CaratChart (2015-2023)PeakpositionJapanese Albums (Oricon)[11]46South Korean Albums (Gaon)[12]4US World Albums (Billboard)[13]8Year-end chart performance for 17 CaratChart (2015)PeakpositionSouth Korean Albums (Gaon)[14]47^ "Seventeen hopes to shine like diamonds with '17 Carat'". 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Retrieved February 17, 2024.Retrieved from " 3The following pages link to 17 Carat External tools(link counttransclusion countsorted list) See help page for transcluding these entriesShowing 50 items.View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500)Main Page (links | edit)Pledis Entertainment discography (links | edit)List of 2015 albums (links | edit)2015 in South Korean music (links | edit)Seventeen (South Korean band) (links | edit)S.Coups (links | edit)Vernon (rapper) (links | edit)Wonwoo (links | edit)List of awards and nominations received by Seventeen (links | edit)Seventeen discography (links | edit)Love & Letter (links | edit)Joshua (singer) (links | edit)Seventeen TV (links | edit)17 carat (redirect page) (links | edit)Going Seventeen (links | edit)List of Seventeen live performances (links | edit)Teen, Age (links | edit)Al1 (links | edit)Bumzu (links | edit)Boys Be (EP) (links | edit)You Make My Day (links | edit)You Made My Dawn (links | edit)Jun (Chinese entertainer) (links | edit)List of Stray Kids live performances (links | edit)The8 (links | edit)An Ode (links | edit)Seungkwan (links | edit)Fallin' Flower (links | edit)Heng:gar (links | edit)Semicolon (EP) (links | edit)Your Choice (links | edit)Going Seventeen (web series) (links | edit)Not Alone (Seventeen song) (links | edit)Attacca (EP) (links | edit)Rock with You (Seventeen song) (links | edit)Woozi (links | edit)Hoshi (South Korean singer) (links | edit)Don't Wanna Cry (Seventeen song) (links | edit)Darl+ing (links | edit)Face the Sun (links | edit)Left & Right (Seventeen song) (links | edit)24H (EP) (links | edit)We Make You (links | edit)Hot (Seventeen song) (links | edit)Dream (Seventeen EP) (links | edit)BSS (band) (links | edit)FML (EP) (links | edit)Super (Seventeen song) (links | edit)Always Yours (album) (links | edit)Seventeenth Heaven (links | edit)View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500)Retrieved from " WhatLinksHere/17_Carat"CO2 dragster cars are helpful in studying the principles of mechanical engineering use for automobile manufacturing. The instructions on how to make a fast CO2 dragster are presented in the article CO2 dragsters are popular amongst school kids. Racing events of CO2 dragsters are mainly organized in countries like USA, Australia, and New Zealand. A 65 feet track is used for the racing event of these miniature cars. These cars are required to be light in weight. The weight factor is, however, not the only thing which increases speed. Decreasing aerodynamic drag also serves this purpose. The construction process of these dragsters is explained by taking into account all these important points.Making a Fast CO2 DragsterThe process of designing a CO2 dragster is crucial in making it move faster. A streamlined shape and selection of light material for construction are important factors taken into account. Explanation of the designing process should provide some idea about how to increase the speed of CO2 dragsters. Designing the Body of DragsterUsually, shell and rail designs are used in the construction of dragsters. The advantage of using rail designs is that they have low mass. However, this benefit can also turn into a disadvantage, since dragsters with such a design have a fragile body. Shell dragsters are cars in which the body, including the wheels, are covered by a shell. Using a shell helps reduce the aerodynamic drag to a great extent.In a rail design, the wheel and other parts of the dragster are exposed, which naturally increases the drag. It is possible to reduce the aerodynamic drag of CO2 cars by shaping the rear section in a boat-tail form. The axles fitted into dragster cars need to be as short as possible. Drilling the holes for axles before shaping any other part of the car is necessary; it is important from the point of maintaining the axle in a steady position. AerodynamicsThe procedure of designing a dragster is explained in the paragraph above. Let us now understand more about how this design can be refined to reduce the aerodynamic drag. It is recommended the car has a sleek surface to reduce the aerodynamic drag. This trick or technique is used quite commonly. However, for the CO2 dragster to be far more effective (speedy), one should think about making the surface like that of a golf ball. A golf ball is marked by presence of small pits over the surface. Air flow over the surface without these pits is laminar. These pits make the air to flow in a turbulent manner. A boundary layer formed by turbulent air flow grips the surface of dragster; this boundary layer curves behind the body of dragster which ultimately reduces the size of the drag pocket; the drag pocket formed as a result of laminar flow has a much greater area.Instruction to Create a Fast CO2 CarThe instructions to make a fast CO2 dragster are presented in the following paragraphs. Factors which affect the aerodynamic drag are explained above. Considering these factors in the process of constructing a dragster should prove to be useful. Let us understand how to make a fast CO2 dragster through instructions presented below.Design of the CO2 dragster that one is about to construct should first be drawn on a piece of paper; cross-section (of the side) of this design should be drawn.The design that is created on paper should be used for tracing the outline on a piece of basswood.After tracing the outline of the cross section of the dragster on basswood, a saw blade should be used for cutting it. Holes need to be drilled at appropriate places for axles.It is necessary avoid painting cars with thick coats; this is because lighter the dragster, faster it will move.Drinking straws need to be used as bearings for the axle. The axles should be inserted into the holes and washers slid on them. Wheels have to be slid on the axles after washers have been fitted.It might happen that wheels do not grip the axles properly. In such cases, glue can be used for the wheels to adhere to the axles.Process of designing the car is most important in making it move faster. Different techniques and tips that are useful from the point of increasing speed of dragster are presented in this article. CO2 dragster cars are helpful in studying the principles of mechanical engineering use for automobile manufacturing. The instructions on how to make a fast CO2 dragster are presented in the article CO2 dragsters are popular amongst school kids. Racing events of CO2 dragsters are mainly organized in countries like USA, Australia, and New Zealand. A 65 feet track is used for the racing event of these miniature cars. These cars are required to be light in weight. The weight factor is, however, not the only thing which increases speed. Decreasing aerodynamic drag also serves this purpose. 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A boundary layer formed by turbulent air flow grips the surface of dragster; this boundary layer curves behind the body of dragster which ultimately reduces the size of the drag pocket; the drag pocket formed as a result of laminar flow has a much greater area.Instruction to Create a Fast CO2 CarThe instructions to make a fast CO2 dragster are presented in the following paragraphs. Factors which affect the aerodynamic drag are explained above. Considering these factors in the process of constructing a dragster should prove to be useful. Let us understand how to make a fast CO2 dragster through instructions presented below.Design of the CO2 dragster that one is about to construct should first be drawn on a piece of paper; cross-section (of the side) of this design should be drawn.The design that is created on paper should be used for tracing the outline on a piece of basswood.After tracing the outline of the cross section of the dragster on basswood, a saw blade should be used for cutting it. Holes need to be drilled at appropriate places for axles.It is necessary avoid painting cars with thick coats; this is because lighter the dragster, faster it will move.Drinking straws need to be used as bearings for the axle. The axles should be inserted into the holes and washers slid on them. Wheels have to be slid on the axles after washers have been fitted.It might happen that wheels do not grip the axles properly. In such cases, glue can be used for the wheels to adhere to the axles.Process of designing the car is most important in making it move faster. Different techniques and tips that are useful from the point of increasing speed of dragster are presented in this article. Miniature car propelled by carbon dioxideRear view of a "rail"-style dragster, with external wheels. The hollow container for the carbon dioxide cartridge can be seen towards the rear of the car.CO2 dragsters are cars used as miniature racing cars which are propelled by a carbon dioxide cartridge, pierced to start the release of the gas, and which race on a typically 60 feet (18 metres) track. They are frequently used to demonstrate mechanical principles such as mass, force, acceleration, and aerodynamics. Two hooks (eyelets or screw eyes) linked to a string (usually monofilament fishing line) on the bottom of the car prevent the vehicle from losing control during launch. In a race, a laser scanner records the speed of the car at the end of its run. Often, the dragster is carved out of balsa wood because of its light weight and cheapness.[1][2]CO2 cars are a part of engineering curricula in parts of the world such as Australia, New Zealand[1] and the United States.[2] In the United States, classroom projects and competitions can operate under the aegis of the Technology Student Association at middle school and high school levels.[3][4] Competitions are sometimes featured in local newspapers.[5] Students learn about the forces of gravity, drag, wind resistance, and the motion of air as a fluid. The projects mainly test the aerodynamic, mass and friction properties of a car. These forces can influence performance in a race, so it is vital to take them into account when building.An unfinished "shell" dragster, with wheels enclosed within its bodyPinewood DerbyF1 in Schools^ a b Reichert, Michael; Hawley, Richard (2010). Reaching Boys, Teaching Boys: Strategies that Work -- and Why. Wiley & Sons. p.6. ISBN978-0-470-53278-2. Retrieved 2010-08-19.^ a b "What is CO2 Racing?". Science of Speed. Retrieved 2010-08-19.^ "Technology Student Association". DeWitt Middle School, Ithaca, NY. Retrieved 2010-08-19.^ "High School Competitions". Reston, VA: Technology Student Association.^ "Students design speedy dragsters". TriCities.com. Thomson Reuters. December 18, 2008. Archived from the original on July 16, 2011. Retrieved August 20, 2010.Retrieved from " Reddit and its partners use cookies and similar technologies to provide you with a better experience. By accepting all cookies, you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. By rejecting non-essential cookies, Reddit may still use certain cookies to ensure the proper functionality of our platform. 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How to make a good co2 car. Tips to make a co2 car go faster. How to make a co2 car. How to make a co2 car go faster.