

## GO GO DERBY TRY IT



### Girl Power at the Derby

Brownie Try-It: complete 4 activities

Junior Badge: complete 6 activities

1. Explore the origin of the Pinewood Derby. Go online with your leader or adult partner, for lots of great information. A search engine will find you many great resources.
2. Talk to adults who once raced in a Boy Scout Pinewood Derby. Great resources are closer than you think many dads & grandfathers were once Boy Scouts.
3. Attend a Pinewood Derby. If your Girl Scout Service Unit doesn't hold one yet, contact your local Cub Scout Pack.
4. Learn about the rules of Pinewood Derby. Very specific measurements are used regarding weight, materials, measurements and construction. Learn about the things that are not allowed in derby racing too.
5. Hold a 'Pinewood Auto Show". Invite scouts, [boy and girl] to display their past cars and awards. Explore the vast Variety of shapes & designs. If cars are not available, search online with your leader or adult partner for car designs.



6. Brainstorm! Blue print 3 or more possible care designs for your car. Make sure to show each car from the side, top and front. Not all derby cars look like cars. Be as creative as you can. Color in your designs to show paint ideas.
  7. With an adult learn about safe woodworking. Review the safety procedures and safety equipment needed for woodworking projects. See what it takes to make your blueprints become real. Always consult "Safety Wise".
  8. Proper and precise weight is a big part of derby racing. Learn how to use a scale that measures by the fraction of an ounce. [Postal scale]. Experiment with different types of weights, [coins, washers, fishing weights] and make a log of your findings. Look at finished Pinewood cars to see the many ways and types of weights that are used and the different ways they are arranged.
  9. Learn about a Pinewood Track. What is it made of, how are the cars started and stopped. Learn about the unique slope of the track. Some clubs have electronic finishes.
  10. Discuss fairness and good sportsmanship with your leader or adult partner. Explore the many ways to support your friends and troop-mates at a competition. Not everyone is a winner. Discuss how to be a good winner and a good loser.
  11. Make your own Derby Car with an adult. Make the design and paint uniquely yours!
  12. Race your New Pinewood Derby Car in an actual race! Show off your GIRL POWER and Good Sportsmanship!
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