

GIRL POWER AT THE DERBY - JUNIOR LEVEL

GSCSNJ PATCH PROGRAM

Purpose: Dive deeper into the world of Pinewood Derby racing! Learn the science behind speed, experiment with design and weight, and discover the importance of safety and sportsmanship. Show your Girl Power by building, testing, and racing with confidence and respect.

To earn this Patch, complete 6 activities, including the starred activity that is required.

01.



Research how the Pinewood Derby started and why it became such a beloved tradition.

02.

Talk with someone who's raced before — maybe a parent, grandparent, or friend. Learn about their car and their favorite part of racing.

03.

Study the official Pinewood Derby rules about car size, materials, and weight. Discuss with your troop how rules keep things fair and fun.

04.

Draw at least three blueprints of possible car designs. Include side, top, and front views, and label your colors and materials.

05.

Using a small scale, test how adding different types of weights (like coins or washers) changes how a car might move.

06.

With an adult, learn about safe woodworking and building techniques. Discuss why each safety rule matters.

GIRL POWER AT THE DERBY - JUNIOR LEVEL

GSCSNJ PATCH PROGRAM

Purpose: Dive deeper into the world of Pinewood Derby racing! Learn the science behind speed, experiment with design and weight, and discover the importance of safety and sportsmanship. Show your Girl Power by building, testing, and racing with confidence and respect.

To earn this Patch, complete 6 activities, including the starred activity that is required.



Work with an adult to make your car! Cut, sand, and paint it to make it uniquely yours.



Study how the Derby track works — how cars start, stop, and how speed is measured.



Talk about fairness and friendship during competitions. Learn how to cheer for others and stay positive — win or lose!



Participate in a Pinewood Derby race or a troop car show. Show your Girl Power by racing with confidence and kindness.

GIRL POWER AT THE DERBY - JUNIOR LEVEL

GSCSNJ PATCH PROGRAM

Purpose: Dive deeper into the world of Pinewood Derby racing! Learn the science behind speed, experiment with design and weight, and discover the importance of safety and sportsmanship. Show your Girl Power by building, testing, and racing with confidence and respect.

To earn this Patch, complete 6 activities, including the starred activity that is required.



Reflection: Think about what you accomplished during Girl Power at the Derby. What skills did you use or improve? How did teamwork, creativity, and sportsmanship play a part? What would you do differently next time?



To order patches please email the following email to CHshop@gscsnj.org

Name & Contact Information
Shipping Address
Quantity Request (\$3.00 per patch)

An associate will call to confirm shipping details & take payment over the phone.