

## 2017 Lego Derby

Hi Girls Ministry and Rangers,

Our Delaware section Ranger Derby is on March 4th and we are going to do something a little different this year. We are going to hold our first Ranger Lego Derby. Yep you get to build your derby car out of Lego's. We are hoping this will be a fun change for everyone. Parents and leaders are welcome to build their own car as well.

Here is how it is going to work. The cost is \$10 per person which covers your registration fee and a base car kit which includes the wheels and a base plate to build your car on top of. You will be building your car at the event on March 4th, so start thinking of your design ideas now.

Bring any Lego's you have to build your car and be as creative as you want. You may buy a Lego kit to build on top of the base kit that you are provided if you want as well. If you do not have any Legos at all we will have a box of random pieces that you may use.

In order for us to purchase the correct number of car kits we need to know who is going to participate in this event, so please turn in your registration forms with your money by February 22nd.

### **Event Details:**

Event: Lego Derby and BB Gun shoot

Location: Praise Assembly, Newark, DE

Time: 9am - 1:30pm

Cost: \$10 per person (includes \$7.00 base car kit)

Invited: Rangers and Girls Ministry (Daisies - Girls Only), Parent and Leaders.

### **Activities:**

Ranger Lego Derby: Main Sanctuary

Lego car building: Classroom

Concessions: Cafe'

BB Gun shooting (no trophies): Classroom

Video games (no trophies): Cafe'

### **Schedule:**

9:00 am - Open Registration / Lego Car Build / Concessions / BB Gun / Video games

10:45 am - Close Registration / Concessions / BB Gun / Video games

11:00 am - Gather for Devotion / Lego Cars Judging Best looks

11:30-1:00 - Lunch

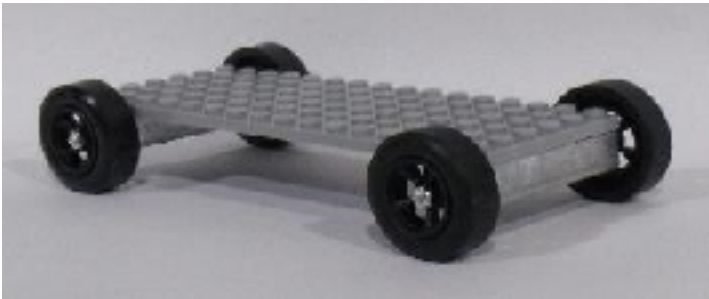
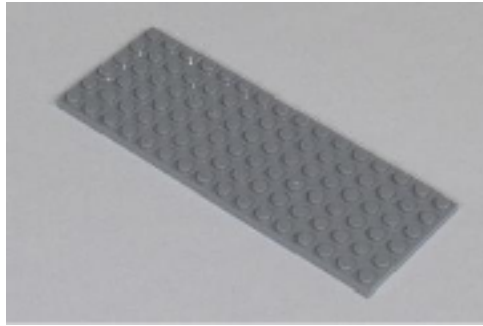
11:30 am - Ranger Derby Starts / Concession reopen

1:00 pm - Ranger Derby Ends / Concession closed

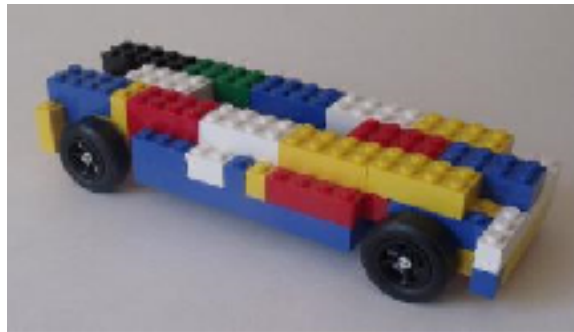
1:10 pm - Awards

1:30 pm - Close and Clean up

### Base Car Kit



Some Ideas:



## Derby Rules:

Each car is inspected at weigh-in for the following inspection points:

### Pinewood Derby Car Dimensions

- The overall length of the car shall not exceed 7 inches.
- The overall width of the car shall not exceed 3 inches.
- The car must use the standard LegoDerby wheels and axles .
- The car must have 3/8" clearance underneath the body so it does not rub on the track.

### Derby Car Weight

- The car weight shall not exceed 5.0 ounces.
- The official race scale that is used at car check-in shall be considered final.

### Wheels and Axles

- The wheels may not be cut, drilled, beveled or rounded. You may remove the seams and imperfections from the wheels.
- The axles may be altered, polished and lubricated.

### Car Modifications Not Allowed

- Wheel bearings, washers or bushings are prohibited
- The car must not ride on any type of springs
- No starting devices. The car must be freewheeling.
- No loose material of any kind, such as lead shot, may be used.

### Other Pinewood Derby Race Rules

- Once a car passes inspection and is entered into the race, only race committee members can touch it.
- If the car loses a piece, or is otherwise damaged, the racer shall have 5 minutes to make a repair
- Each car must pass inspection by the official inspection committee before it will be allowed to compete.
- The Inspection Committee has the responsibility to disqualify those cars that do not meet these specifications.