A person in a wheelchair

Description automatically generated![A person in a small toy car

Description automatically generated]()A child in a pink helmet and pink outfit

Description automatically generatedA person in a small cart

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**When: Saturday 6th April**

**Competitions start at 10:30am**

**Categories: Zoomers: students aged 5-6 years**

**Sprinters: students aged 7-9 years**

**Rockets: students aged 10-13 years.**

**Competitions:**

1. Best overall design celebrating Waipipi School being 150 years young.
2. Most creative design- driver may dress in costume too.
3. Longest distance travelled from start point.
4. Small speed course. *(timed)*
5. Spot prizes.

**Trolley Cart Design:**

*(Please follow these rules when designing and building your trolley)*

**Size:** Width is no more than 1.2 m

Length is no more than 2.4m

**Weight:** Must not exceed 30kg

**Seats:** Trolleys can be one- or two-seater

**Wheels:** Each trolley must have a minimum of three wheels.

Pneumatic wheels are the best.

**Brakes:** Each trolley must have a braking system that acts on at least

two wheels and provides safe and efficient braking.

For 5–6-year-olds, a runner may run behind the trolley with an extra braking system (rope, bungee)

It is recommended to use “dead man” braking system.

**Steering:** All trolleys are required to have a steering system capable of manoeuvring the cart in a safe way. Rope controlled steering is not allowed in this derby.

**Shared Design:** All trolley projects should be a SHARED design and construction project between adults and children.

**Materials:** We encourage the use of recycled materials for the trolley.

Trolley bodies may be constructed from any materials for effect.

**Robustness:** To ensure safety, chassis designs should be strong and safe.

**Competing in the Trolley Derby**

All entries must be given to the principal by Friday 22nd March.

A disclaimer and safety form must be signed by the caregiver on behalf of the child competing. *(Forms will be ready early term 1, 2024)*

Parents must be able to transport trolleys to and from the race site. *(School)*

Trolley safety and robustness will be checked on the day prior to competing.

Children must wear head protection, (At the very least a bicycle helmet), elbow and knee pads, enclosed shoes, long sleeved shirts, and long pants. (no skin showing)

The start is a standing start- no running starts.

Drivers must be able to stop themselves at the end of the race.

Please check out some websites/books for some handy design ideas to get you started:

Eg: <https://www.rotarytrolleyderby.co.nz/assets/docs/Trolley-Design-Advice.pdf>

**TROLLEY DERBY 2024**

**On Saturday 6th April, Waipipi School is holding our**

**150th Celebration.**

**As part of our morning celebrations for our school’s current students, we will be holding a trolley derby.**

**Next year’s course will be different- and perhaps more exciting!**