Tech Deck Science Experiment Log Book

Student Name: say faan

Grade: 5

Project ~~Title: Too Tight, Too Loose, or Just Right? The Science of Tech Deck Wheels~~ How wheel tightnes affects the movement and jump height of a tech deck

Start Date: Jan 5

End Date: mar 4

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Experiment Planning

Question: How does wheel tightness affect how far a Tech Deck rolls and how high it jumps?

Hypothesis: I think the Tech Deck with wheels that are just right will roll the farthest and jump the highest because the wheels can spin smoothly but stay stable.

Materials:

- Tech Deck skateboard
- Tech Deck tool or screwdriver
- Ramp (book or ruler)
- Measuring tape or ruler
- Tape for starting line
- Notebook or chart for recording results

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Daily Log

Date: [redacted] Jan 15

What I worked on today:

[redacted] Today I reasearshed about the Physics behind tech decks. I also wrote in my presintation

Problems or challenges I had:

I couldnt find any information

What I learned today:

tech decks ~~have~~ trucks, decks, and wheel

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Experiment Data – Rolling Distance

Wheel Tightness	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Average
Too Tight	37	38	32	39	30	35
Just Right	58	70	69	72	78	69
Too Loose	46	50	53	59	50	52

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Experiment Data – Jump Height

Wheel Tightness	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Average
Too Tight	12	14	10	13	11	12
Just Right	41	36	40	44	37	40
Too Loose	22	24	25	17	14	20

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Final Reflection

What surprised me during this experiment?

That the loose wheels poped off.

What would I do differently next time?

use a different ramp

What did I learn from this project?

that too tight slows the board down