

LOG BOOK: *How the height of the rollercoaster affects the speed*

DECEMBER:

- December 3- Hypothesis and Slide 1 of Background Info, Guiding Questions
- December 4- Slide 1 of Background Info
- December 5- Material Planning
- December 8- Slide 2 of Background Info and Procedure, Guiding Questions
- December 10- Procedure for High Ramp and Low Hill
- December 11- Slide 2 of Background Info
- December 17- Slides 2 & 3 of Background Info, Procedure, Guiding Questions
- December 18- Slides 3 & 4 of Background Info, Procedure
- December 19- Slide 4 of Background Info and Procedure
- December 29- Slide 4 of Background Info and Procedure
- December 31- Finish Procedure

JANUARY:

- January 1- Slide 5 of Background Info, organization of Info
- January 2- Slide 3 of Background Info, Guiding Questions
- January 6- Slide 4 of Background Info
- January 7- Slides 4 and 5 of Background Info, Slide 6 of Background Info
- January 8- Slides 2 & 4 of Background Info
- January 10- Edit Procedure
- January 11- Create cardboard base for structure
- January 12- Start building the High Ramp, Background Info
- January 13- Finish the High Ramp, start the Low Hill
- January 14- Finish Low Hill
- January 15- Start High Hill, finish High Hill, Background Info
- January 16- Start Low ramp, finish low ramp
- January 17- Build Loop
- January 19- Start Experimenting(High Ramp, Loop) Trials 1-28, Sources of Error

- January 20- Finish(High Ramp, Loop) Trial 29-50, calculate average time, Sources of Error
- January 21- Continue Experimenting(High Ramp, Low Hill) Trials 1-21, Sources of Error
- January 21- Finish Experimenting (High Ramp, Low Hill) and (High Ramp, High Hill), calculate both average times
- January 22- Continue Experimenting (Low ramp, High Hill), Trials 1-21
- January 26- Finish Experimenting(Low ramp, High Hill), Trials 21-50
- January 28- Continue Experimenting, Finish Experimenting (Low ramp, Loop) and (Low ramp, Low Hill), Start Good Copy (Sheet Metal and Wood)
- January 30- Conclusion and Observation in the slides

#### FEBRUARY:

- February 2- register for the Science fair
- February 26- putting information in the registration
- February 28- putting information in the registration