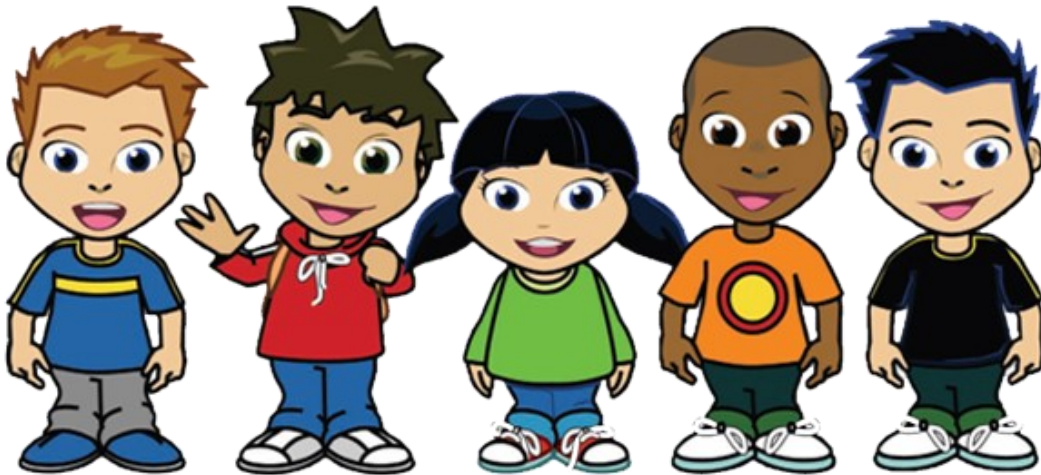




Scream Machine Year 5



ENGINEERING WEEKLY THEME PARK SEEKS EGGCITING NEW RIDE

‘Scream Towers’ seeks designs for a new and eggciting drop ride that gives riders the hair raising sensation of falling from a tall building.

Engineers should design a model ride that:

- can carry two people in a single carriage
- uses a cam, pulley or geared mechanism
- includes safety features that protect the rider.

Submissions must be in the form of a working prototype, with a range of evidence that proves that it can protect two uncooked eggs from breaking on a test ride. Submissions must include any data from test results and photographic evidence.

Shortlisted design teams will receive a visit from an engineering representative.

Roll up, roll up. You're going on a day trip to a theme park, to soak up the unique sights, smells and sounds of the fair. Learn about the science behind roller coasters and write poems that are shaped as a loop the loop. Design a theme park and show your ideas on a digital map. Time for some mini investigations. Cam mechanisms, pendulums, pulleys and prototypes. Let's go behind the scenes to see forces at work. Good news. The engineers at 'Scream Towers' love your work and want you to build a death defying new drop ride for their theme park. Make a working model and test it out with uncooked eggs. Cracking stuff. Okay, ready to ride? Don't forget to scream if you want to go faster.

Linked text: *The Boy Who Swam with Piranhas* - David Almond

