

Sticky Knowledge

- ✓ The fastest roller coaster, Formula Rossa ride, is located in Abu Dhabi's Formula One theme park and launches its riders to a top speed of 149 miles per hour.
- ✓ The oldest roller coaster was built in 1904 in Lakemont Park, Pennsylvania. However, a little bit closer to home, Norfolk to be precise, is home to one of the oldest roller coasters in the UK. The Scenic Railway roller coaster was built in 1932 and has remained operational since.
- ✓ Richard Rodriguez set the world record back in 2012 by riding the 'Big One' in Blackpool for 112 consecutive days.
- ✓ A roller coaster train gains potential energy as it is pulled up the lift hill to its highest point; the train gains more potential energy the higher it goes.
- ✓ Several forces are felt when riding a roller coaster, and keeping these within safe values is a vital skill for roller coaster designers.
- ✓ These forces are known as "G's". G stands for Gravity.

Important Ideas:

- ✓ Planning
- ✓ Cooperation
- ✓ Confidence
- ✓ Pitching
- ✓ Marketing

Always Abilities

Teamwork, Respect,
Resilience, Resourcefulness

Crucial Connections

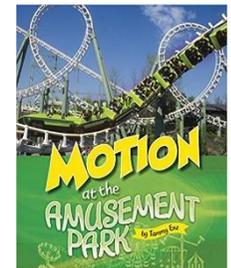
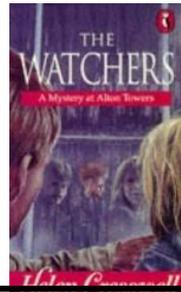
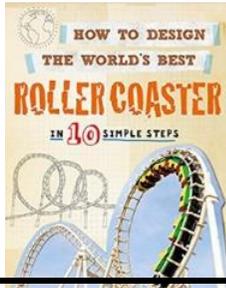
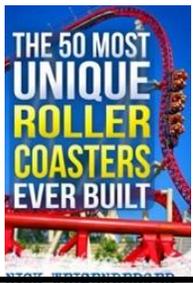
<https://www.draytonmanor.co.uk/>

https://www.youtube.com/watch?v=zhQjw9H88l4&list=PLs4mq0P_NMc_ZPHe0uPHxRiGy9v6J6L7aB

<https://coasterforce.com/types/>

<https://www.learner.org/exhibits/parkphysics/coaster/>

Reading Recommendations



Vital Vocabulary

rollercoaster	a fairground attraction that consists of a railway track which has many tight turns and steep slopes, which people ride in small, fast open carriages
marketing	the act of promoting and selling products or services, including advertising
pitch	a bid or speech made to obtain business or a contract
amusement park	a large outdoor area with fairground rides, shows, and other entertainments
prototype	a first version of a device or vehicle from which other forms are developed
thematic	to have things relating to a particular subject or theme.
engineer	a person who designs, builds, or maintains engines, machines, or structures.

What could the future hold?

Rollercoaster Designer, Engineer, Ride Operator, Amusement Park Manager, Ride Maintenance, Marketer, Safety Engineer, Set Designer, Architect, Programmer, Electrician...