



**Cornerstones**

## Roller coaster rides

Videos of roller coaster rides from the rider's perspective.

[Goliath Roller Coaster – YouTube](#)

[Megafobia Roller Coaster – YouTube](#)

## Popular theme park websites

UK

[Alton Towers](#)

[Blackpool Pleasure Beach](#)

[Drayton Manor](#)

[Flambards Theme Park](#)

[Flamingo Land](#)

[Legoland](#)

[Lightwater Valley](#)

[Paultons Park](#)

[Thorpe Park](#)

[Oakwood Theme Park](#)

Worldwide

[Busch Gardens](#)

[Disney World](#)

[Dreamworld](#)

[Efteling Theme Park](#)

[Europa Park](#)

[Everland Resort](#)

[Ocean Park](#)

[Six Flags Magic Mountain](#)

## Design your own roller coaster

[Roller Coaster Ride Builder – The Science of Disney Imagineering](#)

An excellent program on the Disney Imagineering website that allows children to create their own roller coasters. Designers have to use their understanding of lift and velocity to make sure the carriage stays on the track.

[Build a Coaster – Discovery Kids](#)

A simple, fun activity that allows children to create their own roller coaster by choosing different pieces of track. An inbuilt 'Fear-o-Meter' rates the scariness of the finished rides.

## Amazing marble run

[Epic Christmas Marble Run – YouTube](#)

A six-minute video showing a huge marble run, from an obvious enthusiast!

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## **New roller coasters**

[Every New for 2018 Coaster \(USA Edition\) – YouTube](#)

An overview of new roller coasters for 2018 with great technical descriptions. Finish the clip at 11:40 mins to avoid announcements and an advert.

## **Coding**

[Hour of Code Activities – code.org](#)

A selection of coding activities including 'My Robotic Friends'.

## **Cam mechanisms**

[Basic Cam Mechanisms – Vimeo](#)

A great one-minute animation demonstrating a range of basic cam mechanisms.

[Compilation of Y8 Cam Toys 2013 – YouTube](#)

This four-minute video shows a compilation of toys that use simple and complex cam systems.

## **Theme park adverts**

A selection of radio and TV adverts for theme parks and rides.

[Harry Potter World Orlando Florida advert – YouTube](#)

[Legoland 2011 advert – YouTube](#)

[Thorpe Park radio ad – YouTube](#)

[Pirates of Emerson Haunted Theme Park 2011 Radio Commercial – YouTube](#)

## **Drop rides**

[Drop Tower – YouTube](#)

A four-minute video of the Drop Tower Scream Zone, a giant vertical tower that drops the rider from 315 feet.

[Falcon's Fury – YouTube](#)

A two-minute video that allows viewers to experience the exhilarating drop on Falcon's Fury at Busch Gardens Tampa, Florida.

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