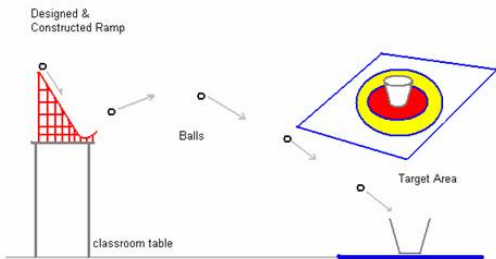


# Activity Briefing Sheet for Teachers

## Planned Lesson Activity

<b>Activity Title</b>	<b>Institution of Civil Engineers, Civil Engineering Presentation and The Great Gumball Ramp Challenge</b>		
<b>Activity Length</b>	60 minutes	<b>Years</b>	8 – 9
<b>Class Organisation</b>	Ideally 20 – 30 Groups of 3 - 4	<b>Components</b>	Presentation on Civil Engineering (15mins) Great Gumball Ramp Challenge (40mins) Inspirational DVD (5mins)



### Equipment Required per team:

#### School to provide

- 2 pairs of scissors
- 1 roll sellotape
- Box of straws
- Scrap paper to sketch ideas and possibly use in construction.
- Cardboard (equivalent of 5 pieces 35cm x 35 cm) Or 1 archive box each
- 1 x Laptop, Projector and Screen (1 in total – not per team)
- 1 x DVD Player and Screen (1 in total – not per team)

#### ICE to provide

- Golf Balls
- Tennis Balls
- Ping Pong Balls
- Target
- Certificate for winners
- Small prize for all participants
- DVD
- Presentation
- Volunteer ICE Science and Engineering Ambassadors

#### This hour long sessions aims to:

- a) Increase awareness of what Civil Engineers do and their importance in society.
- b) Challenge students to solve a problem using basic engineering principles.
- c) Requires students to work as a team.
- d) Requires students to work to a brief.
- e) Encourages students to learn and improve from their experience.
- f) Reward students for their hard work!