



Abertay University[®]

Civil Engineering Design Competition for Scottish Schools 2018/19

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Design Brief – Dundee East regeneration



Background

To capitalise on Dundee's rejuvenation, Dundee City Council would like to add an attraction to the growing portfolio of the city's east end. The local council is accepting tenders for a theme/leisure park on an abandoned site in this area.

Task

Your team is to develop a conceptual design idea for the whole park, and a detailed design for your main attraction.

The idea must comply with the following requirements:

- 1. As the park is adjacent to a busy road and a residential area, no part of the park may intrude into the aerial space outside the park.**
- 2. No attraction may be higher than the residential building on Old Broughty Ferry Road.**
- 3. The theme of the park must be 'Dundee' and must cater to a wide age range.**

If your team's design is shortlisted for the final, please be prepared to justify your concept design and to build your main attraction. Please bear in mind that you'll be building your attraction using the following materials:

- A plywood base
- Balsa wood sticks
- String
- A4 paper sheets
- Glue

Location Map - Dundee East



Judging criterion

The design must have adhered to all of the requirements above. We encourage you to come up with a well thought through and sustainable design. Any additional uses of the theme park structure, such as a café to increase visitor numbers, are also encouraged.

Submitting your design

Your design will need to be submitted to Abertay University by **5pm on Friday 14th December 2018**.

For a successful submission, we require:

1. 1 x video clip with footage of your team explaining your design

- Maximum video length is 90 seconds
- Video can be recorded on smartphones or cameras
- It may be helpful to use WeTransfer for larger files
- **Please note:** In sending your video to us, you're confirming that you're happy for this to be uploaded to the Abertay University website for public view (www.abertay.ac.uk)

2. A3 sheets of white paper to illustrate your design

- Maximum of three x A3 sheets can be used
- These can be used for drawings, printed images, text, etc
- These can either be scanned and emailed, or posted to us

3. Make sure that all of your submission material is referenced with the following:

- Team Name
- Team Members
- School Name

All submission materials are to be sent to Cheryl Torano at Abertay University:

c.torano@abertay.ac.uk

Abertay University
External and Corporate Relations
Bell Street
Dundee
DD1 1HG

Keeping us in the loop

Over the next few months, we'd love to see how you're progressing with your designs. We encourage you to tag us on social media (@AbertayUni) using the hashtags above. Images/short videos/comments on Facebook and Twitter – all are welcome.

Happy designing and good luck!