

## Theme park engineer

### Theme Park Structural Engineer



### Setting the scene

You will be working as either a structural engineer applying for an engineering post with a company constructing a theme park or a member of a panel interviewing the applicants for the post. To prepare yourself for the interview, either as interviewee or interviewer, you will need to know how an ejection seat ride works.

### Outcome checklist

You will either be interviewed or interview for the post of theme park structural engineer. Guidelines for candidates and interview panels, along with practical instructions, background information on ejection seats and your enquiry results will help you prepare. You should make sure you produce the following items as you work through the activity.

#### Job application form (interviewee)

- completed form

#### Guidelines for candidates (interviewee)

- notes on how the interview went

#### Guidelines for interview panels (interviewer)

- notes on what you learned from the interview

#### Practical instructions and background information


- completed enquiry, including results, discussion and conclusions

#### Interview assessment form (interviewer)

- comments on candidates' knowledge and skills

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### Construction Engineer application



**McAppenine Construction plc**  
**Theme Park Construction Division**  
Construction Engineer application

Please write clearly in block capitals

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Mr/Miss/Ms \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Nationality: \_\_\_\_\_

School/College: \_\_\_\_\_

Subjects Studied: \_\_\_\_\_

Teamwork Ability *(How well do you work in a team? Give an example.)*

Research Experience *(List any scientific enquiries you have done.)*

Hobbies and Interests *(Give a brief list.)*

I confirm that the information given is correct.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*For office use only*  
Date received \_\_\_\_\_  
McAppenine Construction is an equal opportunities employer

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### Guidelines for candidates

#### For the job application you will:

- complete an application form
- have a 10 minute interview

To get the job you have to show the interview panel that you meet the job requirements better than the other candidates.

#### Completing your application form

First impressions count. Ensure you make a good impression by completing the form carefully and neatly. The selection panel will be looking in particular at your:

- ability to work in a team
- research experience (doing investigations)

#### Preparing for your interview

What you say in the interview reveals more about you than an application form can. So spend time preparing for the questions. The panel will be finding out what you know about

- the design, construction, and science of an ejection seat ride
- research (investigations) you have carried out on injection seats

You can prepare for this by referring to the ejection sheet practical sheets, including page 5 'The Theory of How it Works' and your investigation findings. Making notes will help you remember and understand the main points. You can practise for the interview by imagining some questions you could be asked, and then trying to answer them.

#### Coping with the interview

During the interview you should:

- try to stay calm and relaxed
- think for a moment before answering the question
- ask the interviewer to repeat the question if you don't understand it
- give full answers if you can

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### Guidelines for candidates continued

#### Learning from the experience

In the interview what went well?

What went badly?


How could you improve?

Do you think you interviewed as well as you could?

Do you think they would offer you the job? Give reasons for your answer.

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### Assessment form

 **McAppenine Construction plc**  
**Theme Park Construction Division**

Assessment form

Post: Construction Engineer  
Division: Theme park construction

Candidate \_\_\_\_\_

Requirements	Comments
Has knowledge of The design and construction of an ejection seat ride	
The science of an ejection seat ride	
Teamwork ability	
Research experience	

Signed \_\_\_\_\_ Date \_\_\_\_\_

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### Guidelines for Interview panels

It's up to you to decide who gets the job. The candidate you pick will be the one that you think meets the job requirements best. To collect information about the candidates you will:

- interview them for 10 minutes
- study their application forms

#### Preparing questions for the interviews

Use the interview to find out what candidates know about

- the design and construction of ejection seat rides
- the science of the ejection seat ride

To help you prepare questions about the ejection seat read

- the ejection seat practical sheets
- 'the theory of how it works' sheet
- choose 4 or 5 points as a panel and turn them into questions

Don't make your questions too difficult, or the candidates won't be able to answer at all

#### Studying the application forms

The application forms give you information about each candidate's:

- research experience (doing investigations)
- teamwork ability

You can then complete these sections on the assessment forms.

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### Guidelines for Interview panels continued

#### Conducting the interviews

In planning or conducting the interview panel

- decide who will chair the interview panel
- decide who's going to write comments on the assessment form (take turns in doing this)
- divide the questions between members of the panel
- introduce yourself and other panel members to the candidate
- be friendly to all candidates and ask them about their hobbies first (to help them relax)
- keep to the 10 minutes allowed

#### Making your decision

Working as a panel:

- take one job requirement at a time
- write down the candidates in order of how they meet that job requirement
- decide overall who meets the job requirements best

#### After the interview

Be sensitive when you let the candidates know your decision. If there is time, give each one some feedback on the interview, by telling them:

- what they did well
- how they could improve - be positive

#### Learning from the experience

What have you learned that will help you in an interview situation?