

# Consultant Civil Engineer



CIVIL

## job details

I design and manage the construction of the 'infrastructure' of the world we live in. This includes roads, hospitals, schools, bridges and airports. I work with the latest technology in an office and out on building sites around the world. Calculating strength in a structure before it's built is essential in my job. Big structures mean fun with big machinery, diggers, dump trucks and remote-control rollers!

- Creativity ..... 52
- Communication ..... 68
- Collaboration ..... 75
- Digital knowledge ..... 78
- Hands-on practical skills... 48
- Reading and writing ..... 70
- Sustainability knowledge .. 58
- Using numbers ..... 91

## your family



Plant Construction Engineer



Bridge Master

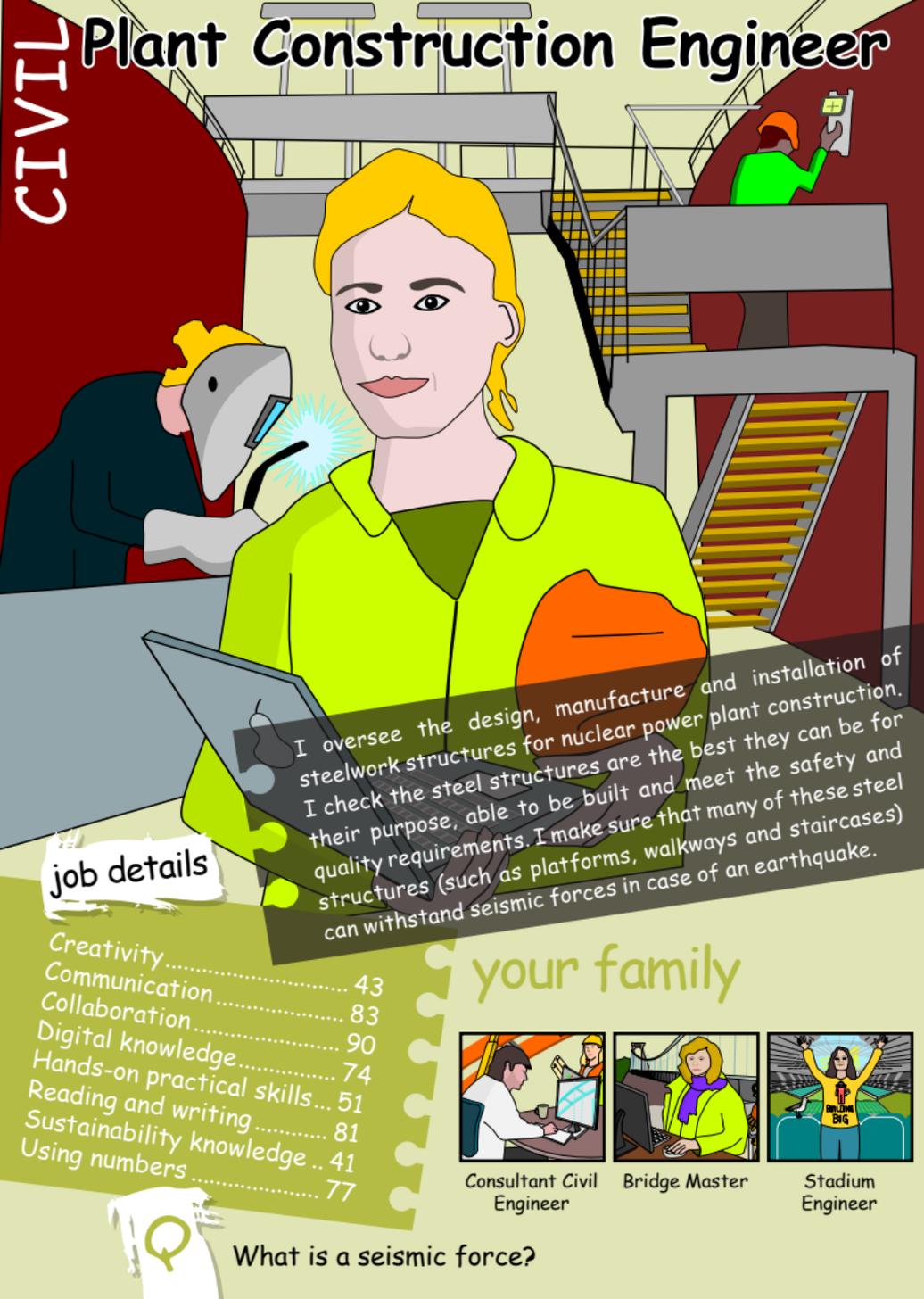


Stadium Engineer



What's the most impressive 'infrastructure' you've seen?

# CIVIL Plant Construction Engineer



## job details

I oversee the design, manufacture and installation of steelwork structures for nuclear power plant construction. I check the steel structures are the best they can be for their purpose, able to be built and meet the safety and quality requirements. I make sure that many of these steel structures (such as platforms, walkways and staircases) can withstand seismic forces in case of an earthquake.

- Creativity..... 43
- Communication..... 83
- Collaboration..... 90
- Digital knowledge..... 74
- Hands-on practical skills... 51
- Reading and writing..... 81
- Sustainability knowledge.. 41
- Using numbers..... 77

## your family



Consultant Civil Engineer



Bridge Master



Stadium Engineer



What is a seismic force?

# Bridge Master



As a chartered bridge engineer, I'm responsible for ensuring the bridge is well maintained, in good working order and safe for pedestrians and vehicles. I manage the business of running a historic visitor attraction and toll bridge. I ensure our staff and volunteers are cared for, and check we have enough money to carry out the projects we have planned. I report to our Trustees (who are responsible for the bridge) on the work the team has done.

## job details

Creativity.....	48
Communication.....	79
Collaboration.....	73
Digital knowledge.....	70
Hands-on practical skills... 51	
Reading and writing.....	90
Sustainability knowledge.. 53	
Using numbers.....	76

## your family



Consultant Civil Engineer



Plant Construction Engineer



Stadium Engineer



What does it mean to be a 'chartered engineer'?

## Stadium Engineer

BUILDING  
BIG

My job offers the opportunity to travel, experience new things and see designs come to life. In the office, my day involves a mixture of calculations, modelling, sketching and meetings. At the start of a project, I bounce ideas around with the architect. During the construction phase, I solve critical details on site with the site manager.

## job details

Creativity.....	60
Communication.....	76
Collaboration.....	64
Digital knowledge.....	70
Hands-on practical skills...	47
Reading and writing.....	81
Sustainability knowledge..	62
Using numbers.....	80

## your family

Consultant Civil  
EngineerPlant Construction  
Engineer

Bridge Master



What things do you like making?