

Background:

Each year, Jacobs hosts work experience students throughout our offices in the UK to encourage them to pursue a career in the STEM (Science, Technology, Engineering and Maths) fields. This presents a great opportunity for students to learn from the wide range of projects that Jacobs is involved with, along with our clients, that are shaping the world that the students live in. Typically, work experience involves the students coming into one of our offices and spending time with Jacobs employees from different fields or backgrounds to learn about their careers, current projects and how they got there. Due to the social distancing and isolation requirements introduced in the UK, there is a possibility that we will not be able to carry out a traditional work experience programme in 2020.

Jacobs Virtual Work Experience Initiative:

In response to the current situation Jacobs has developed a virtual work experience programme. The programme will centre around the design of a Coronavirus vaccine research facility. We will introduce students into the wide range of people within the STEM fields that come together to make this project a reality from architects and engineers through to project managers and safety specialists. In addition to focussing on the technical skills, we are also aiming to introduce students to some of the key skills they will need in the workplace in the 21st century such as creativity, team work, leadership and resilience.

The first version of the programme has been developed for Year 10 and 11 students.

The programme has been rated to the Silver Level by Industrial Cadets. This means the students will have about 30 hours of structured work experience. It will allow the students to use this experience on their CVs going forward as they apply for universities or an apprenticeship.

We are also working to align the programme to the Gatsby Benchmarks (specifically Benchmarks 5 and 6).

Format:

The programme is comprised of 10 sessions which will typically be delivered in the following format:

- A video introduction (about 1 hour) from an expert in each discipline to talk about how their field relates to the brief, as well as a general introduction to the discipline.
- A series of activities that the students will go away and complete (researching the best site, developing alternative building layouts etc.)
- A live Q&A session with a Jacobs employee from that discipline to answer any questions about their career, how they got where they are, what they're working on

Depending on demand, we are looking at delivering the programme in three formats. We understand different schools and students have different workloads at the moment. The proposed formats are:

- 1 week long intensive programme
- 5 week programme with two sessions a week
- 10 week programme with one session a week.

An example of the one week programme is attached on the following page.

The programme will be delivered via Microsoft Teams, we also use Word and PowerPoint.

Start Dates:

We are proposing to start running the virtual work experience from Monday the 1st of June.

If we have sufficient demand we will be running various streams each week after that, starting on the Monday.

More Information:

For more information please reach out to Bobby Dias (Bobby.Dias@jacobs.com) or Jason Andrews (Jason.Andrews2@Jacobs.com)

	Monday	Tuesday	Wednesday	Thursday	Friday
9AM – 11:30AM	9AM: Live Introduction From 9:30AM Project Management Talk & Activities	Transport Planning Talk & Activities	Architecture Talk & Activities	Structural Engineering Talk & Activities	Mechanical Engineering Talk & Activities
11:30 AM – 12PM	Live Project Management Q&A Session	Live Transport Planning Q&A Session	Live Architecture Q&A Session	Live Structural Engineering Q&A Session	Live Mechanical Engineering Q&A Session
12PM – 1PM	Lunch Break				
1PM – 3:30PM	Safety Talk & Activities	Urban Planning Talk & Activities	Interior Planning Talk & Activities	Electrical Engineering Talk & Activities	Live careers chat (with Q&A)
3:30PM- 4PM	Live Safety Q&A Session	Live Cities & Urban Planning Q&A Session	Live Interior Design Q&A Session	Live Electrical Engineering Q&A Session	End of Week Recap and Wrap up Session (including feedback survey) from 1:30PM
4PM – 4:30PM	Re-cap / write up of the day's tasks	Re-cap / write up of the day's tasks	Re-cap / write up of the day's tasks	Re-cap / write up of the day's tasks	

Figure 1 - Example Virtual Work Experience Programme - 1 Week Format (Subject to Change)