



T-LEVELS
THE NEXT LEVEL QUALIFICATION

Laboratory
Science



What is a T Level?

A T Level is an entire post 16 qualification and is equivalent to 3 A Levels so it takes 2 years to complete. Maria Fidelis is offering the Health and Science T level with an occupational specialism in Laboratory Science. Our T level has been developed in collaboration with the Francis Crick Institute to prepare students for entry into skilled employment, a higher apprenticeship or related technical study through higher education (university).

T Level is split into three main sections:

1. **Technical qualification** is the main, classroom-based element where students study a detailed curriculum covering all aspects of laboratory sciences.
2. **Industry placement** runs for a minimum of 315 hours overall and will give students practical insights into their sector and an opportunity to embed the knowledge and skills learned in the classroom. This will take place in Year 2 and will be at The Francis Crick Institute.
3. **English, maths and digital** provision are also built into the classroom-based element of the T Level, meaning students will be given a solid foundation of transferable skills.

As well as 15 hours of lessons per week, students will be expected to complete an additional 15 hours of self-directed study including...

- ▶ Homework, Lab reports, Reading and research, Coursework, Revision and exam preparation.

Topics covered in Year 1:

Cells, Tissues and Biological Molecules, Genetics, Microbiology, Immunology, Chemical Analysis, Materials and Chemical Properties, Chemical Reactions, Electricity and Magnetism and Waves and Radiation

Entry Requirements

There are a **maximum of 10 places available**, and so to be considered for the T level course students will need:

- ▶ five GCSEs at grades G9-G5 (to include English and Maths at G5+ and Science at G5-5 or higher)
- ▶ a good attendance record
- ▶ a recommendation from their Year 11 Science teacher(s)
- ▶ an interview with staff from Maria Fidelis and the Francis Crick Institute

Progression opportunities

Skilled employment, higher apprenticeship or an undergraduate degree

Employment opportunities

Laboratory technician, Laboratory analyst, Microbiologist, Research scientist