

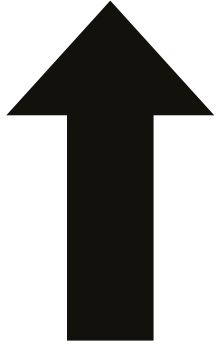


***INDUSTRY PLACEMENTS
SCIENCE***

15 May 2023



TL



WELCOME



TL

TODAY'S TEAM



Jemma Froggitt

Webinar Host

Professional
Development Executive
SDN



Chris Cherry

Webinar Presenter

Industry Placement Team
SDN

FORMAT

Broadcast

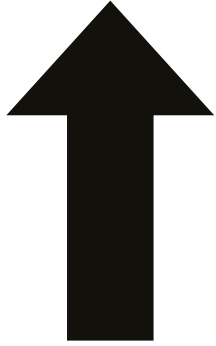
Your microphone will be muted

Use the Q&A function for questions

Feel free to use the chat box

AGENDA

- 1 Introduction to T Levels and industry placements**
- 2 Science industry placement specifics**
- 3 What are other science employers saying?**
- 4 Q & A**
- 5 Next steps / support available**



WHAT ARE T LEVELS?



TL

THREE EDUCATION AND TRAINING OPTIONS, POST-GCSE

A LEVELS

Subject-based qualifications

two years
at local college or school

T LEVELS

2-year technical programmes at
Local colleges, schools, training providers
80% classroom based
20% in a placement

Includes **industry placements**
to build attitudes and behaviours
and to develop practical skills

APPRENTICESHIP Level 2/3

at least 12 months
work-based training

80% on the job
20% off the job

Followed by possible progression to :

**Higher
Education**

**Skilled
Employment**

**Higher level
apprenticeship /
technical training**

THE T LEVEL PROGRAMME

2 years

80%

Up to 1400
hours

TECHNICAL QUALIFICATION

Core

English and
maths

Occupational
specialism

Other
requirements

20%

At least
315 hours
350 hours
average

Technical skills and
knowledge

Practical skills for
employment

Meaningful
contribution in the
workplace

INDUSTRY PLACEMENT

WHICH T LEVELS WILL THERE BE, AND WHEN?

AUTUMN 2020

- Design, surveying and planning for construction
- Digital production, design and development
- Education and childcare

AUTUMN 2021

- Building services engineering for construction
- Digital business services
- Digital support and services
- Health
- Healthcare science
- Onsite construction
- Science

AUTUMN 2022

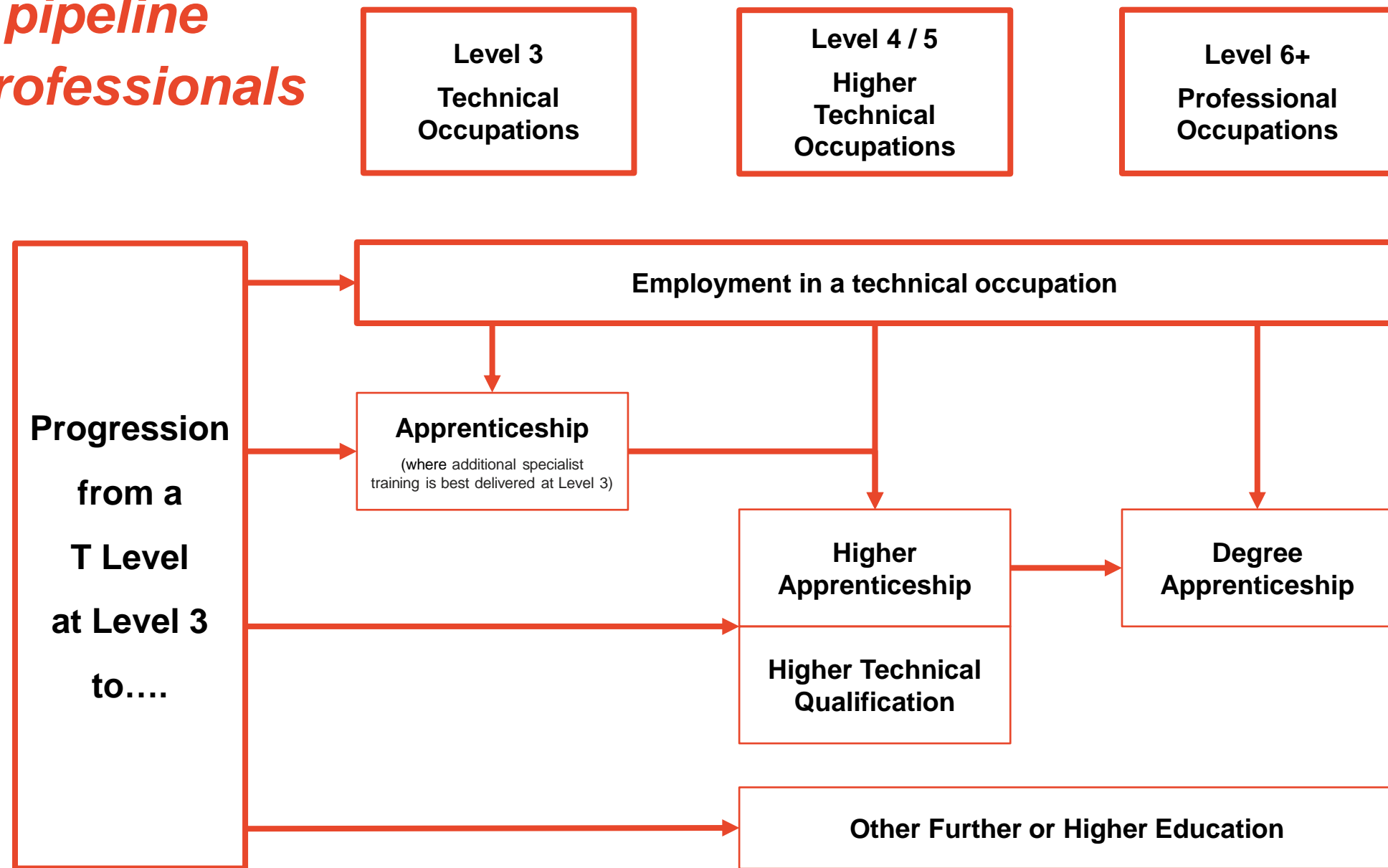
- Accounting
- Design, development for engineering and manufacturing
- Engineering, manufacturing processing and control
- Finance
- Maintenance, installation and repair for engineering and manufacturing
- Management and administration


AUTUMN 2023

- Animal care and management
- Agriculture, land management and production
- Catering
- Craft and design
- Hairdressing, barbering and beauty therapy
- Legal
- Media, broadcast and production



WHAT FOLLOWS T LEVELS?

Building your pipeline of technical professionals





***WHAT ARE
INDUSTRY
PLACEMENTS?***



WHAT ARE INDUSTRY PLACEMENTS?

- Time spent by a 16-19 year old student, learning and working in an organisation
- **In a real environment** – with an employer, making a meaningful contribution to the organisation
- Minimum of **315 hours** (approx. 45 working days)
- **Occupationally-specific** – developing students' practical and technical skills

Delivery approaches: all T Levels

**WORK TASTER
ACTIVITIES**

**SMALL TEAM
PROJECTS (UP
TO 1/3RD)**

**PATHWAY
PLACEMENTS**



**PART TIME WORK
RELATED TO
PATHWAY**

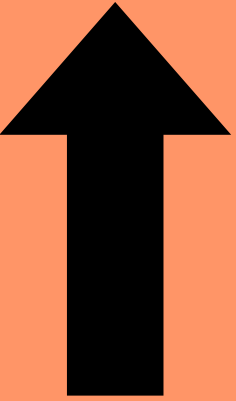
**UP TO 2
EMPLOYERS**

**SUPPLY CHAIN +
EMPLOYER
NETWORKS (+2
EMPLOYERS)**



**SPECIAL
EDUCATIONAL
NEEDS AND
DISABILITY**

**YOUTH
OFFENDERS
INSTITUTION**



Delivery approaches: specific T Levels

***ROUTE LEVEL
PLACEMENTS***



***SKILLS HUB/
EMPLOYER
TRAINING
CENTRES***

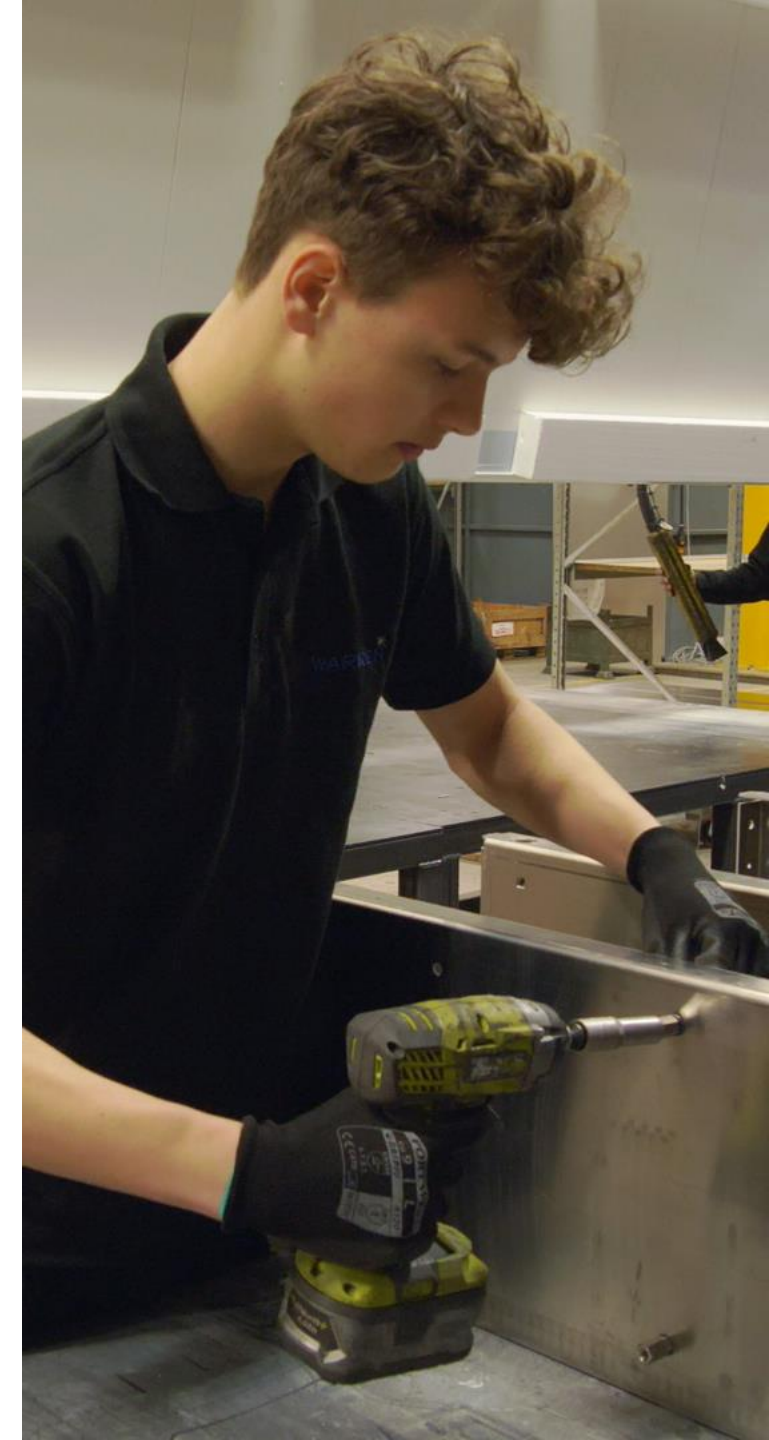


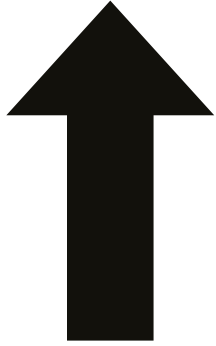
***HYBRID
PLACEMENTS***



WHAT DO INDUSTRY PLACEMENTS EMPLOYERS NEED TO OFFER?

- Projects and tasks for students that will help them to learn practical and technical skills
- A safe work environment
- Equipment and resources for the work
- Induction
- Someone to supervise and someone to mentor
- Feedback and review





SCIENCE
INDUSTRY PLACEMENT
SPECIFICS



T Level	Occupational specialisms
AUTUMN 2021 Science	Technical: Laboratory Sciences Technical: Food Sciences Technical: Metrology Sciences

<https://www.instituteforapprenticeships.org/t-levels/t-level-information-hub/t-level-in-science/>

EXAMPLE PROJECTS (AVAILABLE FOR ALL T LEVELS)

Laboratory Assistant

Two students joined the Diagnostic and Sample Analysis Laboratory at a large NHS Trust. The primary objective was to perform routine sample analyses to clinical standard.

Project activities

- Learn the principles of sample handling, management, result management and sample storage
- Under supervision, assist staff to record a range of measurements, results, units and work seamlessly with different analytical tools.
- Review a given set of experimental data/records to identify potential errors in either samples/equipment or usage of equipment by an operator.
- Identify the factors that could be contributing to any errors and suggest process improvements to rectify and prevent any errors identified.

EXAMPLE LEARNING OBJECTIVES (AVAILABLE FOR ALL T LEVELS)

T LEVEL:

Science

OCCUPATIONAL SPECIALISM:

Laboratory Technician

Objective

The purpose of the occupation is to work at the forefront of technology to carry out both routine and one-off laboratory testing (and manufacturing where relevant) and perform a variety of technical support functions across the organisation.

Typical activities

- Activity 1*** Prepare for laboratory tasks using the appropriate scientific techniques, procedures and methods
- Activity 2*** Use of specified instrumentation and laboratory equipment, including calibration where required

EXAMPLE LEARNING GOALS

Employability Skills

<i>Communication</i>	Active listening, use of visual, oral and written methods, engaging with individuals, sharing, building rapport, adapting style and tone
<i>Teamwork</i>	Working with others with different skills, expertise and experience to accomplish a task or goal

Technical Skills

- Produce reliable, accurate data and keep accurate records of laboratory work undertaken and results.
- Analyse, interpret and evaluate data and identify results requiring further investigation seeking advice of senior colleagues as appropriate.
- Communicate scientific information appropriately, including the use of Laboratory Information Management systems, either digital or paper based.

PRACTICALITIES

Such as...

- Safeguarding
- Accessibility
- Non-Disclosure Agreements and confidentiality
- Data security
- Age



HELEN BRADSHAW



*TECHNICIAN MANAGER DIRECTORATE OF
HUMAN AND NATURAL SCIENCES*

*SCHOOL OF SCIENCE, ENGINEERING
AND ENVIRONMENT (SEE)
UNIVERSITY OF SALFORD*



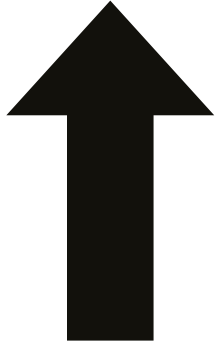
I have no experience of working with colleges and schools. Slightly worried they will use jargon and I will be asked to do things I don't understand

What if I have more than one work setting – do I need to work with more than one college?

WHAT SOME EMPLOYERS ARE ASKING ABOUT SCIENCE INDUSTRY PLACEMENTS?

Will students have the right scientific mindset

The student will need to learn specifics of my industry before they come on site. How can these be introduced to students?



Q&A



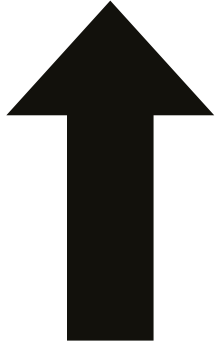
TL

POLL ***Based on what you have heard about industry placements:***

- 1 Are you more likely to implement industry placements?*
- 2 Are you more confident to implement industry placements?*
- 3 Has this webinar been useful and practical for your industry placements planning?*

POLL *Based on your current circumstances and your understanding of T Levels, is your organisation likely to offer Industry Placements?*

- 1 *Yes - we are already hosting T Level Industry Placements*
- 2 *Yes – in the next six months*
- 3 *Yes – in seven to twelve months*
- 4 *Yes – more than a year from now*
- 5 *Not in the foreseeable future*
- 6 *No*
- 7 *Don't know*



***NEXT
STEPS AND
SUPPORT***



<https://employers.tlevels.gov.uk/>

- Bespoke one-to-one support
- Tools, resources and case studies
- Book workshops and webinars

TL

T Levels and industry placement support for employers



[About industry placements](#)

Find out more about what industry placements and T Levels are, and how they could work in your business.



[Business benefits and case studies](#)

Discover the benefits of hosting an industry placement at your company, including the £1,000 employer incentive.



[Plan industry placements](#)

Guidance to help you plan, including information about legal compliance, working with providers and paying students.



[During industry placements](#)

How to work with students while they are on a placement, and end-of-placement reviews.



[Skill areas and courses](#)

Discover the skill areas that industry placements cover and find out what placement students can offer.



[Workshops and webinars](#)

Online events to help you understand, plan and prepare to offer industry placements.

Early access
to the brightest talent

Shape the future
of your industry

5 simple steps

[Find out how industry placements work](#)

Partner with a school or college

Search for providers

See schools and colleges near you.

Invite providers to contact you

Leave your details for them to get in touch.

▶ [Looking for providers in more than one location?](#)



[About T Levels and industry placements](#)

What industry placements



[Plan industry placements](#)

Guidance to help you plan,



[During industry placements](#)

How to work with



[Business benefits and case studies](#)

Discover the benefits of

<https://employers.tlevels.gov.uk/>

Register an interest in T Levels and industry placements

Enter your details into our online form and we will share your interest in T Levels and industry placements with registered T Level schools and colleges for 12 weeks.

If a provider would like to speak to you about an industry placement or other T Level opportunity, they can contact you using the details you provide.

The form takes about 5 minutes to complete.

This form is only for employers with a single business location. If your organisation has multiple locations and you'd like to register an interest in T Levels and industry placements, [contact us](#)

Register an interest

More about T Levels and industry placements

[What are T Levels?](#)

[What are industry placements?](#)

[How industry placements work](#)



THANK YOU

<https://employers.tlevels.gov.uk/>



HM Government

Disclaimer

This advice is general guidance and is not legal advice. It should not be acted on without a full understanding of your current situation. You can access the latest government guidance on industry placements at www.tlevels.gov.uk. SDN Enterprises Ltd (trading as SDN) has tried to ensure that the information and advice we give is accurate. However, SDN will not accept liability for any loss, damage or inconvenience arising as a consequence of any use of or the inability to use any information or advice given.

TL

