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How T Level Science can deliver the
skilled workforce your business needs



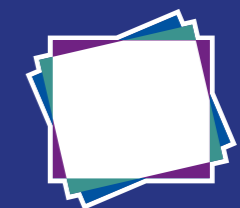
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TLIT is a framework for developing and delivering high quality, industry-led learning and teaching in schools and colleges. It is a partnership between industry and education, where industry experts provide the expertise and resources to develop and deliver high quality, industry-led learning and teaching in schools and colleges.

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1. $\frac{1}{2} \int_0^1 \frac{1}{x^2} dx$ $\frac{1}{2} \int_0^1 x^{-2} dx$
= $\frac{1}{2} \left[-x^{-1} \right]_0^1$
= $\frac{1}{2} \left[-\frac{1}{x} \right]_0^1$
= $\frac{1}{2} \left[-\frac{1}{1} - \left(-\frac{1}{0} \right) \right]$
= $\frac{1}{2} \left[-1 + \infty \right]$
= $\frac{1}{2} \left[\infty - 1 \right]$
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2. $\int_0^1 \frac{1}{x^2} dx$ $\int_0^1 x^{-2} dx$
= $\left[-x^{-1} \right]_0^1$
= $\left[-\frac{1}{x} \right]_0^1$
= $\left[-\frac{1}{1} - \left(-\frac{1}{0} \right) \right]$
= $\left[-1 + \infty \right]$
= $\left[\infty - 1 \right]$
= $\left[\infty \right]$
= ∞

3. $\int_0^1 \frac{1}{x^3} dx$ $\int_0^1 x^{-3} dx$
= $\left[-\frac{1}{2} x^{-2} \right]_0^1$
= $\left[-\frac{1}{2x^2} \right]_0^1$
= $\left[-\frac{1}{2 \cdot 1^2} - \left(-\frac{1}{2 \cdot 0^2} \right) \right]$
= $\left[-\frac{1}{2} + \infty \right]$
= $\left[\infty - \frac{1}{2} \right]$
= $\left[\infty \right]$
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4.

As a Laboratory Manager, you will be responsible for the day-to-day running of the laboratory, ensuring that all equipment is calibrated and maintained, and that all staff are trained and competent to perform their duties.

You will also be responsible for the safety of the laboratory, ensuring that all staff are aware of the risks and that appropriate measures are in place to minimize them.

Amy Read, HR Manager at Ocean Ecology

As a Laboratory Manager, you will be responsible for the day-to-day running of the laboratory, ensuring that all equipment is calibrated and maintained, and that all staff are trained and competent to perform their duties.

Simon Foster, Laboratory Manager at the Sainsbury Laboratory

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Leigh Maxfield, Employment and Skills Partner at Thames Water

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Samantha Keller, Analytical Operations Manager at Kent Scientific Services

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Mark Goodwin, Manager Analytical Science Laboratories at Innospec

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Mark Goodwin, Manager Analytical Science Laboratories at Innospec



Under-18s are not allowed to work in our laboratory or workplace setting. This is a legal requirement and we have a policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18.

“They went through the exact same training that a new member of staff would have in terms of all the safety aspects”.

Jacqueline Reid, Research Manager at Innospec

We would need to take out extra insurance. This is a legal requirement and we have a policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18.

We don't have enough time to constantly supervise a student. This is a legal requirement and we have a policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18.

“He's been shown what to do once or twice and then he's just flown with it and he's picked it up ... he has been an extra pair of hands”.

Janet Marshall, Senior Talent and Development Business Partner at Cranfield University

Safeguarding is a problem. We would have to get all our staff DBS checked. This is a legal requirement and we have a policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18.

We are concerned about confidential or commercially sensitive material. This is a legal requirement and we have a policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18.

Will we teach the right things for the students to pass? This is a legal requirement and we have a policy in place to ensure that we do not employ anyone under the age of 18. We have a strict policy in place to ensure that we do not employ anyone under the age of 18.



Science

Core component (studied by all students, normally in the first year)

The health and science sector	Science concepts	Core skills
<p> The health and science sector is a dynamic and rapidly changing environment. It is characterized by a high level of innovation and a strong focus on research and development. The sector is also highly regulated and subject to strict standards of quality and safety. </p> <p> The health and science sector is a key driver of economic growth and social progress. It is essential for the well-being of the population and for the development of a sustainable future. </p> <p> The health and science sector is a complex and multi-disciplinary field. It involves the integration of knowledge from a wide range of disciplines, including biology, chemistry, physics, and engineering. </p> <p> The health and science sector is a highly competitive and fast-paced industry. It requires a high level of technical expertise and a strong ability to work under pressure. </p> <p> The health and science sector is a highly collaborative and team-oriented environment. It requires a strong ability to work with others and to share knowledge and resources. </p> <p> The health and science sector is a highly ethical and socially responsible industry. It requires a strong commitment to the highest standards of integrity and to the well-being of the community. </p>	<p> The health and science sector is a dynamic and rapidly changing environment. It is characterized by a high level of innovation and a strong focus on research and development. The sector is also highly regulated and subject to strict standards of quality and safety. </p> <p> The health and science sector is a key driver of economic growth and social progress. It is essential for the well-being of the population and for the development of a sustainable future. </p> <p> The health and science sector is a complex and multi-disciplinary field. It involves the integration of knowledge from a wide range of disciplines, including biology, chemistry, physics, and engineering. </p> <p> The health and science sector is a highly competitive and fast-paced industry. It requires a high level of technical expertise and a strong ability to work under pressure. </p> <p> The health and science sector is a highly collaborative and team-oriented environment. It requires a strong ability to work with others and to share knowledge and resources. </p> <p> The health and science sector is a highly ethical and socially responsible industry. It requires a strong commitment to the highest standards of integrity and to the well-being of the community. </p>	<p> The health and science sector is a dynamic and rapidly changing environment. It is characterized by a high level of innovation and a strong focus on research and development. The sector is also highly regulated and subject to strict standards of quality and safety. </p> <p> The health and science sector is a key driver of economic growth and social progress. It is essential for the well-being of the population and for the development of a sustainable future. </p> <p> The health and science sector is a complex and multi-disciplinary field. It involves the integration of knowledge from a wide range of disciplines, including biology, chemistry, physics, and engineering. </p> <p> The health and science sector is a highly competitive and fast-paced industry. It requires a high level of technical expertise and a strong ability to work under pressure. </p> <p> The health and science sector is a highly collaborative and team-oriented environment. It requires a strong ability to work with others and to share knowledge and resources. </p> <p> The health and science sector is a highly ethical and socially responsible industry. It requires a strong commitment to the highest standards of integrity and to the well-being of the community. </p>

Placement Preparation

Janet Marshall, Senior Talent and Development Business Partner at Cranfield University

What your school or college will do

Before the placement:

- Provide information on the placement process
- Provide information on the benefits of placement
- Provide information on the types of placements available
- Provide information on the application process
- Provide information on the interview process
- Provide information on the offer process
- Provide information on the start of placement
- Provide information on the end of placement
- Provide information on the return to university
- Provide information on the support available
- Provide information on the contact details

During the placement:

- Provide information on the placement process
- Provide information on the benefits of placement
- Provide information on the types of placements available
- Provide information on the application process
- Provide information on the interview process
- Provide information on the offer process
- Provide information on the start of placement
- Provide information on the end of placement
- Provide information on the return to university
- Provide information on the support available
- Provide information on the contact details

What you need to do

Before the placement:

- Prepare a CV
- Prepare a cover letter
- Prepare a portfolio
- Prepare a list of references
- Prepare a list of achievements
- Prepare a list of skills
- Prepare a list of interests
- Prepare a list of hobbies
- Prepare a list of sports
- Prepare a list of clubs
- Prepare a list of societies
- Prepare a list of activities
- Prepare a list of awards
- Prepare a list of prizes
- Prepare a list of certificates
- Prepare a list of degrees
- Prepare a list of diplomas
- Prepare a list of qualifications
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