BTEC Level 2 Technical for Laboratory Science

Built on BTEC’s tried-and-trusted ‘learn-by-doing’ approach, the new courses help post-16 learners stand out from the crowd with the skills they need to start and succeed in their careers.

Employers and industry bodies have helped us design your BTEC Level 2 Technicals, so you have the content and approach to prepare learners for wherever their next steps may lead.

Why employers back BTEC Level 2 Technicals

Employers and professional bodies back the new courses because learners...

- Cover vital industry knowledge employers say learners need within mandatory units.
- Specialise with optional units (where applicable).
- Draw on and apply all their learning to a real-life situation in the synoptic final unit.
- Focus on developing competency in key sector skills.
- Must achieve at least a Pass in every unit so they’re confident they’ve mastered the basics they need to succeed.
- Explore essential professional behaviours for the workplace.
- Have plenty of opportunities to engage with local employers, workplace-based activities, guest lectures and have practitioners setting and marking assignments.
- Showcase what they know and can do in different types of assessments based on real-life scenarios.
- Have evidence of applying what they know to tasks they’ll tackle every day in their chosen career.
- Build knowledge
- Master skills
- Learn from professionals
- Apply in practice

Your BTEC Level 2 Technicals at a glance
from September 2017

What are they?
Level 2 courses in various sectors
For post-16 learners
Designed with input from tutors, employers and professional bodies
Developed to meet performance measures in England

How do they work?
BTEC’s tried-and-trusted learn-by-doing approach means your learners
Build knowledge
Master skills
Learn from professionals
Apply in practice

Where can they lead?
Employment
Apprenticeship
Further technical study at level 3

The science sector is one of the largest and most diverse sectors in the UK, including, for example, biomedical, pharmaceutical, food, forensic, dental, health, physical and chemical science. There are approximately 5.8 million people employed in science-related occupations in the UK.

We’ve designed BTEC Level 2 Technical for Laboratory Science so your learners can get set for success in their chosen field.

Explore the course...

BTEC Level 2 Technical Diploma in Laboratory Science
360 GLH
BTEC Level 2 Technical Diploma in Laboratory Science

Learners will need to complete and achieve all units.

Unit 1: Laboratory Health and Safety
- 60 GLH On-screen test (external – set and marked by Pearson)

Unit 2: Working in a Science Laboratory
- 60 GLH On-screen test (external – set and marked by Pearson)

Unit 3: Assisting in Laboratory Activities
- 60 GLH Practical assignment (internal – set and marked by your centre)

Unit 4: Preparing and Clearing down a Laboratory
- 60 GLH Practical assignment (internal – set and marked by your centre)

Unit 5: Handling Scientific Data
- 60 GLH Practical assignment (internal – set and marked by your centre)

Unit 6: Planning A Scientific Investigation
- 60 GLH Synoptic practical assignment (internal – set and marked by your centre)

Next steps for your learners...

Equipped with the skills, knowledge and experience to succeed in the Laboratory Science sector, BTEC-qualified candidates can choose where they go next.

Apprenticeship
- Dental Laboratory Assistant
- Healthcare Science Assistant
- Laboratory Technician

Employment
- Health Science Laboratory Assistant
- Pharmaceutical Laboratory Assistant
- Food Science Laboratory Assistant

Level 3 study
- BTEC National Diploma in Dental Technology

Supported by BioPlus Tech, Hexpol Compounding, Imperial College Healthcare NHS Trust, King's College University London, Sherwood Forest Hospitals NHS Foundation Trust, Stirling Lloyd, The Christie Pathology Partnership, The Royal Marsden NHS Foundation Trust, The University of Manchester, Weston Area Health NHS Trust, Mary Lyon Centre

Like what you see?
There's more to explore...

Specification
dquals.pearson.com/BTECL2TechnicalabScienceGuide

More courses
dquals.pearson.com/BTECL2TechnicalGuide

Assessment
See page 10

Support
See page 12
How assessment works

The combination of assessment types for BTEC Level 2 Technicals means your learners can draw on and apply all their knowledge and skills to realistic time-based tasks they’ll also encounter in the workplace.

Assignments

Set and marked by you (internal assessment)

- The well-known BTEC assessment style.
- Resubmission of evidence (to improve grade) may be allowed within 15 days of learners receiving their original grade.
- If a submission or resubmission is not passed, one retake of a new assignment capped at Pass level may be allowed.

On-screen test

Set and marked by Pearson (external assessment)

- A range of question types (including multiple-choice and short-answer questions) taken in controlled conditions. Available on demand from January 2018.
- One resit is allowed.

Note: Assessments will vary for each course. See your specifications for more assessment details.

How grading works

A learner’s final grade reflects their achievements across all units in their BTEC Level 2 Technical course.

- Every unit is individually graded as Pass, Merit or Distinction and this grade is then converted to a point score.
- The total points scored across all units make up the final qualification grade.
- To achieve an overall qualification grade, learners must gain at least a Pass grade in all units. This means that tutors and employers can be confident that learners have understood and mastered the key technical and transferable skills, and industry knowledge to progress with their next steps.

Example of qualification grade calculation for BTEC Level 2 Technicals

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Support and Resources

To help you and your learners every step of the way, we’re developing the course materials you need and more of what you’ve told us you value most.

Whether you’re an experienced BTEC tutor or are new to the suite, there’ll soon be free content to help you plan, teach and prepare for assessment, as well as training events to get you set for the new courses.

Your Subject Advisor, Stephen Nugus, is also there to answer your queries about the new courses:

TeachingScience@pearson.com
@PearsonSciences
020 7010 2190

We’re developing free support for the BTEC Level 2 Technicals for Laboratory Science to help you and your learners make the most of the new courses.

Plan
Get to know your courses
- Specification
- Sample Assessment Materials
- Introductory Guides

Teach
Support for teaching and learning
- Scheme of Learning
- Delivery Plans

Assess and Track
Progress monitoring and preparation for assessments
- Guidance
  - Quality Assurance Handbook
  - Standardisation Training
  - Standards Verifier Visit
  - Quality Review Visit
- Examples of the Standard
  - Authorised Assignment Briefs
  - Sample Marked Learner Work
- Templates and Tools
  - myBTEC: Assignments Wizard
  - myBTEC: Progress Tracking

Develop
Training to help you make the most of your courses
- Reports and Feedback
  - Lead Examiner Reports (externally assessed units)
- Training Events
  - Getting Ready to Teach events

quals.pearson.com/BTEC12TechnicalsGuide

Next steps …
Next steps

Like what you see?
- Explore the specifications and sample assessment materials
  quals.pearson.com/BTECL2TechnicalsLabScienceGuide

Be the first to know the latest news!
- Sign up for email updates at:
  quals.pearson.com/BTECL2TechnicalsUpdateGuide
- Follow us:
  @teachBTEC

Ask away...
- If you’ve got any questions about the new courses, your Subject Advisor is here to help:
  Stephen Nugus, Science Subject Advisor
  TeachingScience@pearson.com
  @PearsonSciences
  020 7010 2190

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