

A close-up photograph of a bearded dragon lizard perched on a person's hand. The lizard has brown and tan scales with prominent spiky protrusions along its jawline and back. The background is a soft, out-of-focus green.

BTEC Level 2 Technicals for **Land-based studies**

Your Level 2 BTECs for Post-16 learners

Welcome to your guide to the BTEC Level 2 Technicals for Land-based studies.

BTEC Level 2 Technicals are practical hands-on qualifications designed to help your post-16 learners master the industry-specific skills and knowledge they will need to start and succeed in their careers.

Developed with the help of leading employers and professional bodies, you'll find the **technical content** and **practical approach** you'll need to help your learners stand out from the crowd and prepare for their next steps, whether that's an **apprenticeship**, **employment** or **further study** at level 3.

These flexible qualifications can be taught:

- as part of a full-time 16-19 study programme alongside other qualifications such as GCSEs or,
- as the technical qualification within an apprenticeship or employment.

If you're looking for a post-16 Level 2 course designed around what today's employers expect – **choose BTEC Level 2 Technicals**.


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The skills to succeed – the confidence to progress

Your BTEC Level 2 Technicals at a glance


What are they?




Level 2 courses
in various sectors

16+

For post-16
learners




Designed with input from
tutors, employers and
professional bodies




Developed to meet
performance measures
in England


How do they work?




Build
knowledge



Master skills




Learn from
professionals




Apply in
practice


Where can they lead?



Employment




Apprenticeship




Further technical study
at Level 3

BTEC's tried and trusted learn-by-doing approach means your learners:




Build
knowledge

- ✓ 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.




Master
skills

- ✓ 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.



Learn from
professionals

- ✓ 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.



Apply in
practice

- ✓ **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.

From Animal Care to Horticulture the Land-based Sector opens up a world of opportunities for your learners.

We've designed BTEC Level 2 Technicals for Land-based Studies so your learners can get set for success in their chosen field.

Industry support

We've received letters of support for these new qualifications from a range of employers and industry specialists including: British Wildlife Centre, British Veterinary Nursing Association, British Equestrian Federation and more - see your qualification page for the full list at quals.pearson.com/BTECL2TechnicalGuide.

Qualifications available:

Why choose BTEC Level 2 Technicals for Land-based studies

We've designed **BTEC Level 2 Technicals for Land-based Studies** so your learners can acquire the skills and knowledge they will need to succeed in their chosen field of study.

BTEC Level 2 Technicals for Land-based Studies:

- are **for post-16 learners** wishing to master sector-specific skills and knowledge
- have been designed to meet DfE criteria and are eligible for 16+ and 19+ funding in England
- take a **learn-by-doing approach** to cement practical skills and build confidence
- include carefully planned synoptic units to consolidate learning
- have employer involvement to enrich learning and provide a tangible link between study and work
- offer routes to **apprenticeships, employment and further study**.



BTEC Level 2 Technical Diploma in Agriculture (360 GLH)

An ideal qualification for learners keen to start a career in agriculture.

- Includes a range of practical activities designed to give learners experience of the skills, knowledge and behaviours expected by employers in the agricultural sector.

Unit 1: Introduction to Working in Land-based Industries	60 GLH	Mandatory
Unit 2: Introduction to Plant and Soil Science	60 GLH	
Unit 3: Agriculture Work Placement	60 GLH	
Unit 4: Machinery Operations in Agriculture	60 GLH	
Unit 9: Farming and Agricultural Estate management	60 GLH	
Unit 5: Livestock Health	30 GLH	Optional
Unit 6: Livestock Husbandry	30 GLH	
Unit 7: Crop Production	30 GLH	
Unit 8: Grass and Forage Crop Production	30 GLH	

Learners will need to complete and achieve all mandatory units and two optional units.

Next steps for your learners...

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

» Apprenticeship

- » Agriculture

» Employment

- » Farm assistant
- » Livestock/crops assistant

» Level 3 study

- » Pearson BTEC Level 3 National Diploma in Agriculture

BTEC Level 2 Technical Diploma in Animal Care (360 GLH)

- The perfect course for learners looking to start a career in animal care.
- Includes practical activities to help learners develop a range of skills, knowledge and behaviours expected by employers in the animal care sector.
 - Practical assignments where learners get to grips with the diverse nature of the industry and create their portfolio
 - Includes additional specialist units to extend skills and knowledge.

Unit 1: Practical Animal Health	 60 GLH	Mandatory
Unit 2: Introduction to Animal Biology and Health	 60 GLH	
Unit 3: Animal Care Work Placement	 60 GLH	
Unit 4: Animal Welfare	 60 GLH	
Unit 5: Animal Behaviour Assessment and Safe Handling	 60 GLH	
Unit 6: Feeding, Accommodating and Moving Animals	 60 GLH	

Learners need to complete and achieve all units.

Next steps for your learners...

Equipped with the technical skills and behaviours required for the animal care sector, BTEC-qualified candidates can choose where they go next.

- » Apprenticeship

 - » Animal Care apprenticeship
- » Employment

 - » Animal care worker
 - » Animal care assistant in animal business
 - » Kennel or cattery worker
- » Level 3 study

 - » Pearson BTEC Level 3 National Diploma in Animal Management

BTEC Level 2 Technical Diploma in Blacksmithing (360 GLH)

Designed for learners looking to start a career in blacksmithing.

- Includes activities to help learners develop a range of blacksmithing skills to help them progress to employment or further technical study.

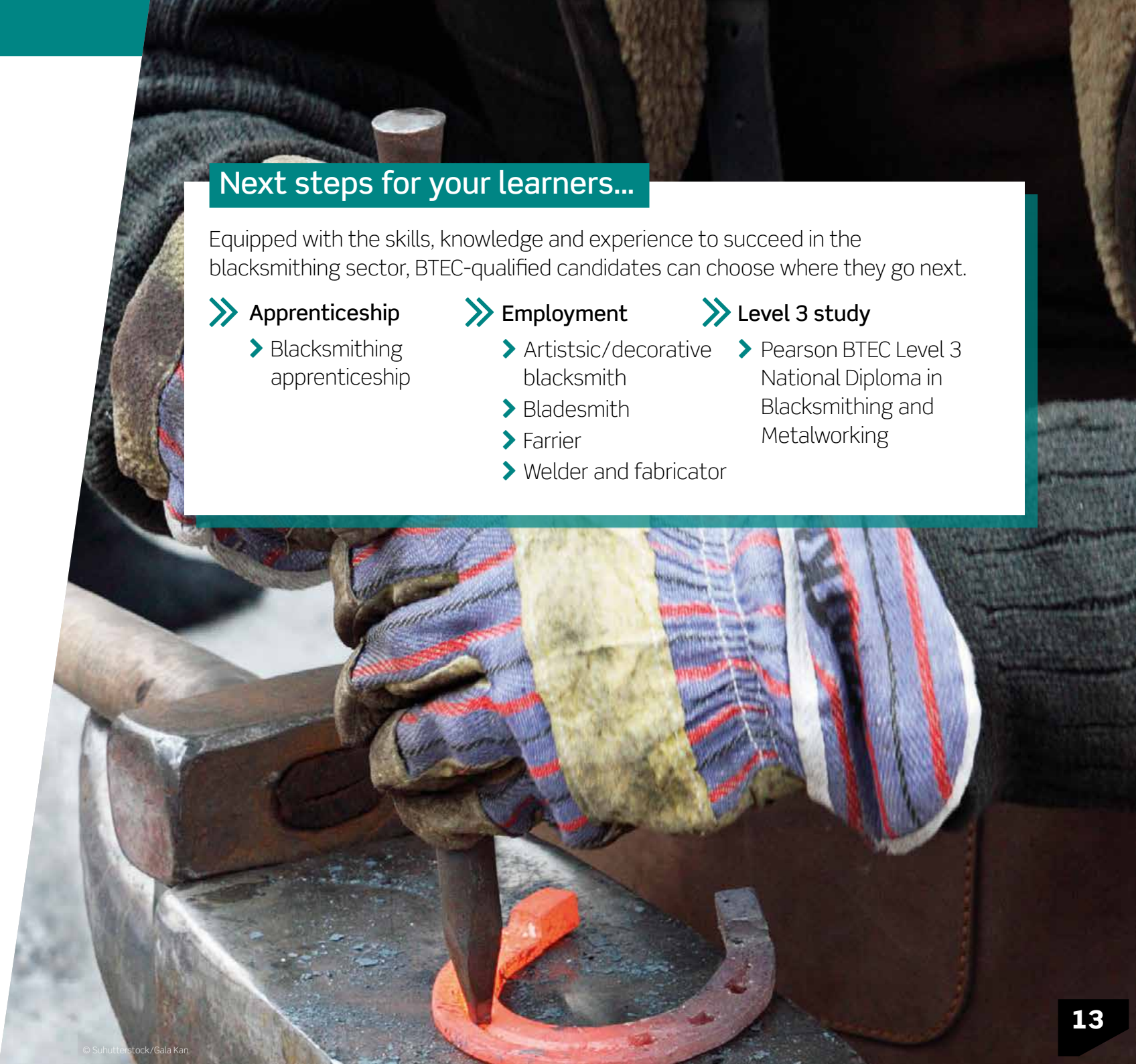
Unit 1: Health and Safety in Blacksmithing	30 GLH	Mandatory
Unit 2: Metallurgy and Heat Treatment	45 GLH	
Unit 3: Forging Processes	60 GLH	
Unit 4: Welding and Thermal Cutting Processes	45 GLH	
Unit 5: Freehand and Technical Drawing	30 GLH	
Unit 9: Research, Design and Make Blacksmith Products	90 GLH	Optional
Unit 6: Fabrication Techniques	60 GLH	
Unit 7: Forge Work Construction Techniques	60 GLH	
Unit 8: Horse Biology and Handling	60 GLH	

Learners need to complete and achieve all mandatory units and one optional unit.

Next steps for your learners...

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

- » Apprenticeship
 - » Blacksmithing apprenticeship
- » Employment
 - » Artistic/decorative blacksmith
 - » Bladesmith
 - » Farrier
 - » Welder and fabricator
- » Level 3 study
 - » Pearson BTEC Level 3 National Diploma in Blacksmithing and Metalworking



BTEC Level 2 Technical Diploma in Countryside Studies (360 GLH)

Designed for learners looking to start a career in countryside studies.

- Includes range of activities to help learners acquire the skills, knowledge and behaviours needed in this sector.

Unit 1: Introduction to Working in Land-based Industries	60 GLH	Mandatory
Unit 2: Introduction to Plant and Soil Science	60 GLH	
Unit 3: Countryside Work Placement	60 GLH	
Unit 4: Habitat Maintenance	60 GLH	
Unit 8: Countryside Estate Maintenance	60 GLH	
Unit 5: Countryside Access and Recreation	30 GLH	Optional
Unit 6: Introduction to Game Management	30 GLH	
Unit 7: Land-based Machinery Operations	30 GLH	

Learners need to complete and achieve all mandatory units and two optional units.

Next steps for your learners...

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

» Apprenticeship

- Countryside apprenticeship

» Employment

- Junior estate operative
- Junior reserve warden

» Level 3 study

- Pearson BTEC Level 3 National Diploma in Countryside Management

BTEC Level 2 Technical Diploma in Equine Studies (360 GLH)

An ideal qualification for learners wishing to start a career working with horses.

- Includes range of activities to help learners acquire the skills, knowledge and behaviours employers in the equine sector expect.

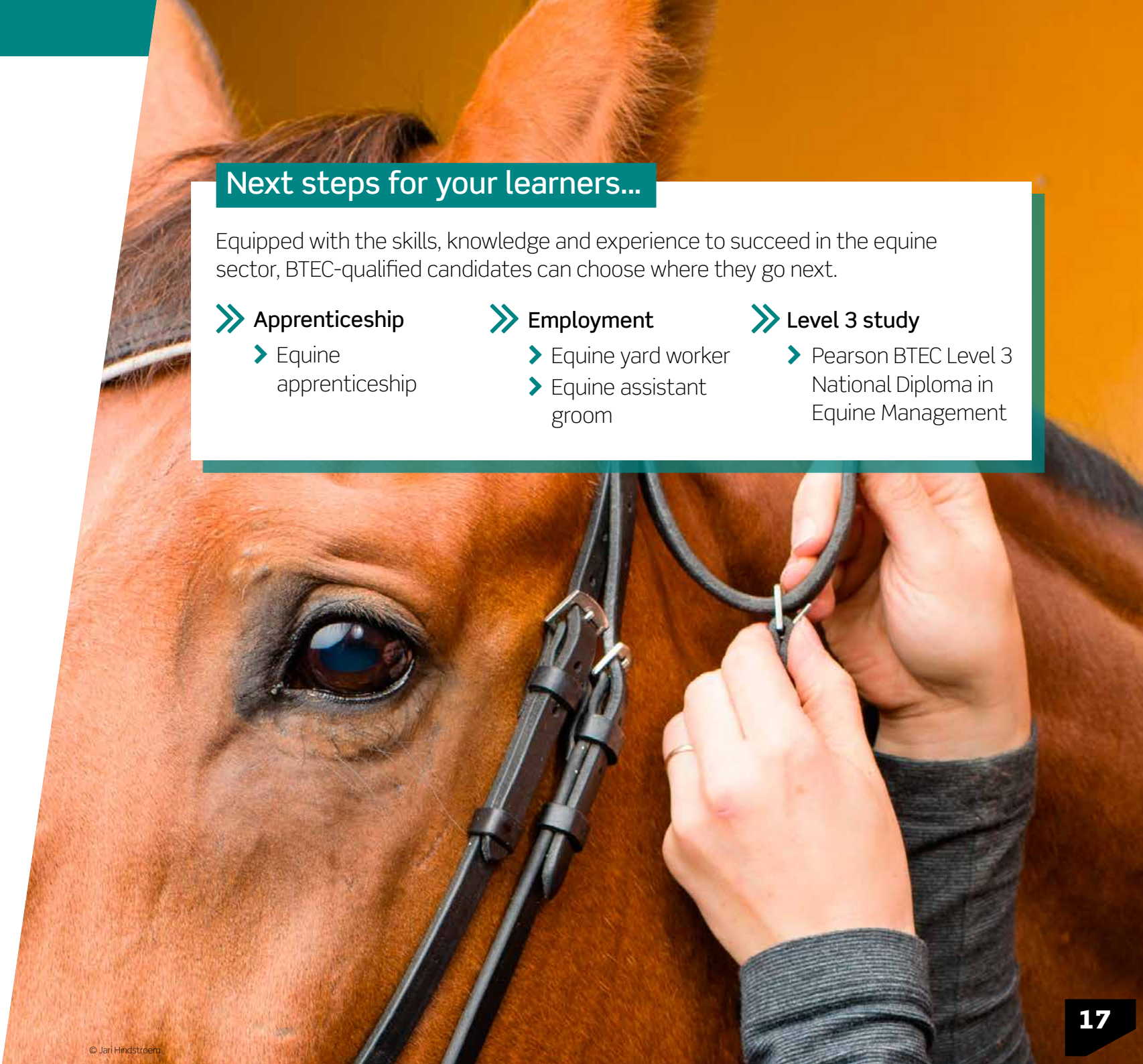
Unit 1: Equine Tack and Equipment	30 GLH	Mandatory
Unit 2: Introduction to Equine Biology and Health	60 GLH	
Unit 3: Equine Work Placement	60 GLH	
Unit 4: Principles of Working with Horses	60 GLH	
Unit 8: Practical Yard Duties	60 GLH	
Unit 5: Equine Preparation and Plaiting	30 GLH	Optional
Unit 6: Practical Equine Behaviour	60 GLH	
Unit 7: Riding Horses on the Flat	60 GLH	

Learners need to complete and achieve all mandatory units and one optional unit.

Next steps for your learners...

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

- » Apprenticeship
 - » Equine apprenticeship
- » Employment
 - » Equine yard worker
 - » Equine assistant groom
- » Level 3 study
 - » Pearson BTEC Level 3 National Diploma in Equine Management



BTEC Level 2 Technical Certificate in Fish Husbandry (240 GLH)

An ideal qualification for learners wishing to start a career in fish husbandry.

- Includes range of activities to help learners acquire the skills, knowledge and behaviours employers in this sector expect.

Unit 1: Introduction to Fish Health and Biology	60 GLH	Mandatory
Unit 2: Introduction to Fishery Management	60 GLH	
Unit 3: Fish Production	60 GLH	
Unit 4: Fish Husbandry	60 GLH	

Learners need to complete and achieve all units.

Next steps for your learners...

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

Apprenticeship

- Fish Husbandry apprenticeship

Employment

- Fish farm worker
- Fish husbandry worker
- Fish technician

Level 3 study

- Pearson BTEC Level 3 National Diploma in Fish Husbandry

BTEC Level 2 Technical Diploma in Floristry (360 GLH)

Designed for learners looking to start a career in Floristry.

- Includes activities to help learners develop a range of Floristry skills to help them progress to employment or further technical study.

Unit 1: Identification and Care of Cut Flowers, Foliage and Plants	60 GLH	Mandatory
Unit 2: Health and Safety Working Practices within the Floristry Industry	30 GLH	
Unit 3: Floristry Work Placement	60 GLH	
Unit 4: Construct Hand-tied Floristry Designs	30 GLH	
Unit 5: Construct Wired and Glued Designs	30 GLH	
Unit 6: Construct Designs in a Medium	60 GLH	
Unit 7: Responding to a Floristry Brief	90 GLH	

Learners need to complete and achieve all units.

Next steps for your learners...

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

» Apprenticeship
» Floristry apprenticeship

» Employment
» Junior florist

» Level 3 study
» Pearson BTEC Level 3 National Diploma in Floristry

BTEC Level 2 Technical Diploma in Forestry and Arboriculture (360 GLH)

Designed for learners looking to start a career in forestry and arboriculture .

- Includes range of activities to help learners acquire the skills, knowledge and behaviours needed in the forestry and arboriculture sector.

Unit 1: Introduction to Working in Land-based Industries	60 GLH	Mandatory
Unit 2: Introduction to Plant and Soil Science	60 GLH	
Unit 3: Tree Work Placement	60 GLH	
Unit 4: Tree Felling and Ground-based Operations	60 GLH	
Unit 5: Assisting Tree Climbing and Pruning Operations	30 GLH	
Unit 6: Ecology of Trees, Woods and Forests	30 GLH	
Unit 7: Practical Tree Work Skills	60 GLH	

Learners are required to complete and achieve all the units included in this qualification.

Next steps for your learners...

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

» Apprenticeship

- » Forestry and arboriculture apprenticeship

» Employment

- » Forest worker
- » Ground worker

» Level 3 study

- » Pearson BTEC Level 3 National Diploma in Forestry and Arboriculture

BTEC Level 2 Technical Diploma in Horticulture (360 GLH)

Designed for learners looking to start a career in horticulture.

- Includes activities to help learners develop a range of horticulture skills to help them progress to employment or further technical study.

Unit 1: Introduction to Working in Land-based Industries	60 GLH	Mandatory
Unit 2: Introduction to Plant and Soil Science	60 GLH	
Unit 3: Horticulture Work Placement	60 GLH	
Unit 4: Land-based Machinery Operations	30 GLH	
Unit 11: Estate Maintenance in Horticulture	60 GLH	
Unit 5: Propagation Techniques	30 GLH	Optional
Unit 6: Establish and Maintain Plant and Seeds	30 GLH	
Unit 7: Nursery Stock Production	30 GLH	
Unit 8: Maintain Sports and Amenity Turf	30 GLH	
Unit 9: Establish and Maintain Soft Landscapes	30 GLH	
Unit 10: Construction and Maintenance of Hard Landscapes	30 GLH	

Learners need to complete and achieve all mandatory units and two optional units.

Next steps for your learners...

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

- » Apprenticeship
 - Horticulture apprenticeship
- » Employment
 - Forest worker
 - Ground worker
- » Level 3 study
 - Pearson BTEC Level 3 National Diploma in Horticulture

Course materials

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

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

Plan

Get to know your courses

› Specifications

Detailed structure and unit-by-unit breakdown of content, learning aims and suggestions for activities.

› Sample Assessment Materials

Provide you with examples of what will be required for externally assessed units.

Teach

Support for teaching and learning

› Schemes of Learning

Provide suggested teaching and learning activities along with estimated teaching time required for each unit.

› Delivery plans

Include examples of 6 month and 12 month options each with week-by-week breakdowns to help with planning and assessment.

Assess and Track

Progress monitoring and preparation for assessments

› Guidance

- Quality Assurance Handbook
- Standardisation Training
- Standards Verifier Visit
- Quality Review Visit
- Assessment guidance

› Examples of the Standard

- Authorised Assignment Briefs
- Sample Marked Learner Work

› Templates and Tools

- myBTEC: Assignments Wizard
- myBTEC: ProgressTracking

Develop

Training to help you make the most of your courses

› Training Events

We offer a range of training events both online and face-to-face including Network events where you can share ideas and best practice. See page 29 for details.

› CPD

Our training events can also help towards your continued professional development.

myBTEC

We know that as a teacher workload can be an issue, that's why to help you save time we have designed myBTEC, a unique free service that aims to reduce your admin workload.

What myBTEC can do for you:

- **Saves you time** – for example when Internally Verifying an assignment brief, at least 50% of the questions are answered for you
- **Reduces your workload** – for example your assessment plan is produced automatically from your assignment briefs in myBTEC
- **Automatic grade tracking calculations**, so you know your students are on track
- **Easily export and download all documents**, information and results
- **Gives you the complete visibility of all courses**, assessment, internal verification and results at your centre, so you can check progress at anytime.

Simply login at **mybtec.pearson.com** with your Edexcel online details.



Training

We offer a range of events to help you in every aspect of planning, teaching and assessing your BTEC courses.

To make it as easy as possible for you to benefit from our training, many of our face-to-face events are available as online sessions, and you can request any of our events to be delivered as paid-for events in your centre.

Our programme of events:

- make it easy for you to access BTEC training how, when and where you need it
- offer qualification-based and role-based courses so you can choose which event is right for you
- are delivered by experts passionate about training
- provide opportunities to network and share ideas and best practice.

What's more, our flexible range of high quality training events not only support your delivery of BTEC courses, but also help towards your continued professional development.





New to BTEC?

If you're thinking about delivering BTEC Level 2 Technicals and want to know more about what's involved and the support we can provide see our step-by-step guides at: quals.pearson.com/stepbystepBTEC

We've included guidance on:

- How to get started
- Building your BTEC team
- Quality assurance
- Internal assessment
- External assessment

Already teaching BTEC?

Remember you can find detailed information about key BTEC processes, forms and guidance materials at: quals.pearson.com/BTECsupport

You'll also find all of the essential tools and forms on each of our dedicated qualifications pages, alongside your specifications and any additional resources specific to your BTEC.



Specialist help and advice

You've also access to our Land-based sector specialist subject advisors who will be happy to help with any support and advice you may need to help you deliver your BTEC Level 2 Technicals.



Danielle Clarke (Land-based Studies)

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- ✉️ TeachingLandBasedStudies@Pearson.com

Assessment

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.

Task

Set and marked by Pearson (external assessment)

- Completed in controlled conditions.
- Available four times a year from January 2018.
- One resit is allowed.

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

Grading

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

Diploma	
Grade	Points threshold
PP	96
MP	112
MM	128
DM	152
DD	176

Calculation of qualification grade table

Unit	GLH	Type	Grade	Points
1	60	External	Merit	24
2	60	External	Merit	24
3	60	Internal	Distinction	32
4	60	Internal	Distinction	32
5	60	Internal	Distinction	32
6	60	Internal	Distinction	32
	360		DD	176

Example

The learner has sufficient points for a DD grade.

Grade calculation valuations will vary for each course. See your specifications for more details.

BTEC for Level 2

In addition to the new BTEC Level 2 Technicals, our tried-and-trusted BTEC Firsts are also still available.

Also available for your post-16 Level 2 learners

BTEC Firsts

BTEC Firsts continue to be popular, offering learners progression routes to further study, an apprenticeship or employment.

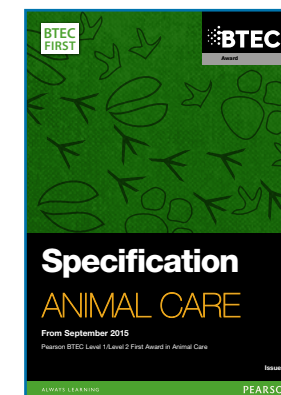
If you're already teaching BTEC Firsts, you can continue to offer these for learners registering in September 2018 and 2019 or you can choose to progress to the new BTEC Level 2 Technicals.

For more information contact our subject advisors who will be happy to help with any information about delivering these qualifications, or any questions you may have about teaching the new BTEC Level 2 Technicals. (See page 31 for their contact details.)

Available in a range of sizes, the following BTEC Firsts are available for the land-based studies sector*:

- **BTEC Firsts in Agriculture (2012)**
- **BTEC Firsts in Animal Care (2015)**
- **BTEC Firsts in Countryside and Environment (2010)**
- **BTEC Firsts in Fish Husbandry (2011)**
- **BTEC Firsts in Floristry (2010)**
- **BTEC Firsts in Horse Care (2010)**
- **BTEC Firsts in Land-based Technology (2010)**

*Please see web page for details of last registration dates.



BTEC for Levels 1 and 3

We've also developed a range of BTEC land-based sector qualifications for Level 1 and Level 3 learners.

For Level 1 post-16 learners

BTEC Level 1 Introductory qualifications

Graded, unit-based qualifications designed to develop transferable and sector skills so your post-16 learners can progress to further study, apprenticeships or training.

BTEC Level 1 Introductory qualifications for are available for:

- **Land-based Studies**
- **Vocational Studies**



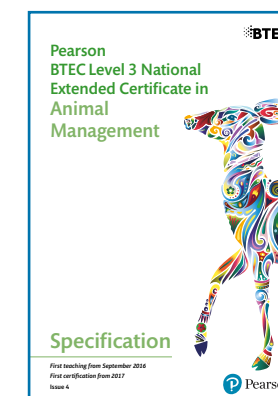
For Level 3 post-16 learners

BTEC Level 3 Nationals

Modern, work-related qualifications with clear purpose and defined progression routes into higher education or employment.

BTEC Level 3 Nationals qualifications for the land-based sectors are available for:

- **Agriculture**
- **Animal Management**
- **Countryside Management**
- **Equine management**
- **Forestry and Arboriculture**
- **Horticulture**



Next Steps...

- 🌐 Explore the specifications and sample assessment materials at **quals.pearson.com/BTECL2TechnicalGuide**
- ✉️ Sign up for updates at **quals.pearson.com/BTECL2TechnicalUpdateGuide**
- 🐦 Follow us **[@teachBTEC](https://twitter.com/teachBTEC)**

Ask away...

If you've got any questions about teaching the new courses, your Subject Advisors are here to help:



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