



Higher Nationals in Construction

Sector Network Event
(Online)

May 2020





Aims of this Event

- **Explore subject-related resources available through HNGlobal and other useful online sources to support adapted delivery**
- **Review national updates and sector guidance useful for planning, delivery and assessment**
- **Understand HN Assessment and Awarding updates and guidance for your programme**
- **Share and discuss resources and strategies that you have found useful**
- **Get answers to common questions from Pearson subject matter experts**

**Exploring Online
Resources to Support
Learning in Construction,
HN Global & other
websites**

Dedicated online learning platform for all BTEC Higher National students and centres.

- **Textbooks and Resource Areas** - created to support your subject core units
- [Careers Centre](#) - where students can build on their employability skills
- [Short Courses \(including Study Skills\)](#) - learn key transferable skills
- [Global Forum](#) - discuss common themes
- [Student Channel](#) - informative clips for your Higher National
- [Tutor Channel](#) - informative clips to support assessment and delivery
- [Reading Lists](#) - list of recommended resources for your programme
- [Delivery Materials](#) - resources to support tutors (*tutor access only*)

How can you sign-up?

Signing up is simple, you just need to complete a short self-registration form to create your own account, which will grant you access to the resources available to support your programme.

[Visit HN Global today!](#)

This module is designed to give students an understanding of the role of the Study Skills programme for their course.

STUDY SKILLS **START >**

Getting Organised for Study

FREE

STUDY SKILLS **START >**

Writing For Your Higher National Course

Reading, Note-taking & Summarising

HN students who use HN Global are even more satisfied with their course

72%
have positive feelings towards the use of HN Global

69%

find HN Global useful in supporting their studies



Research by:
djs
research

Working and learning online during a pandemic

Learn how to get the most out of online education



Welcome to **HN Global**, a community designed to support you on your BTEC Higher National journey.

HN GLOBAL MAP



SHARE YOUR STORY



LATEST NEWS



FORUM



READING RESOURCES



TEXTBOOKS



HN GLOBAL

[Delivery Materials](#)

[Tutor Channel](#)

[Reading Lists](#)

[Blended Learning](#)

[Forum](#)

[Professional Development](#)

Enter WorldSkills UK skills competitions

2 March - 5 May



Welcome to HN Global, a community designed to support you on your BTEC Higher National journey.

HN GLOBAL MAP

SHARE YOUR STORY

LATEST NEWS

HN GLOBAL

Study Guide

Career Centre

Core Textbooks

Degree Finder

E-Library

Student Channel

Student Resources

Student Support

◀ Guides designed to help navigate you through the content essential to a selection of units. ▶

EXPLORE NOW ▶

Welcome to **HN Global**, a community designed to support you on your BTEC Higher National journey.

HN GLOBAL MAP

SHARE YOUR STORY

LATEST NEWS

Short Courses

Introduction To Study Skills

FREE

STUDY SKILLS

START >

Getting Organised for Study

FREE

STUDY SKILLS

START >

Finding And Evaluating Information

FREE

STUDY SKILLS

START >

Writing For Your Higher National Course

FREE

STUDY SKILLS

START >

Reading, Note-taking & Summarising

FREE

STUDY SKILLS

START >

Giving Effective Presentations

FREE

STUDY SKILLS

START >

Human Skills: Webinar Series

All Subjects



Aeronautical Engineering:

 Subject Page

 Delivery Materials



Agriculture:

 Subject Page

 Delivery Materials



Animal Management:

 Subject Page

 Delivery Materials



Applied Sciences:

 Subject Page

 Delivery Materials



Art and Design:

 Subject Page

 Delivery Materials



Business:

 Subject Page

 Blended Learning

 Delivery Materials



Computing:

 Subject Page

 Delivery Materials



Construction:

 Subject Page

 NEW: Study Guides

 Delivery Materials

and the Built Environment >

 Delivery Materials



View Edit

Study Guides for Construction Units

Guides designed to help navigate you through the content essential to a selection of units.

EXPLORE NOW >

CONSTRUCTION

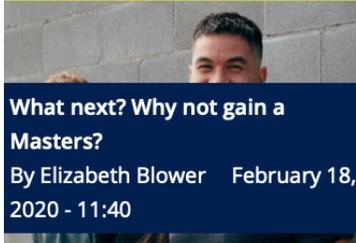
Welcome to the HN Global community. As a BTEC Higher National student in Construction you have access to a number of resources to support you across your course.

Here are some suggested resources for you to use throughout your learning journey. We recommend you follow the Get Started section first, but you can access any of the resources, at any time.

GET STARTED >

- > Speak to other students across the world in the **Lounge**
- > Understand the role of study skills by taking the **Introduction Module**
- > Understand your motivations & values through **Career Assessments**
- > Create and follow tasks through the **Career Planner**
- > Review your recommended **Reading List**
- > **Get Organised for Study** by setting goals and time management tips

SEE OUR BLOG



edit

RESOURCES

edit

READING LIST

edit

TEXTBOOK

edit

STUDY SKILLS

edit

CAREERS CENTRE

Construction Core Textbook

View

Edit

Nodequeue

Access your
programme core textbook today!



This textbook provides you with the key resources to help you complete the core units of the BTEC Higher National in Construction.

It contains selections from market leading textbooks that are used on Higher Education programmes worldwide, and is specifically designed to cover the learning outcomes of each unit.

To download for FREE:

Step 1: [Access free VitalSource account](#)

Step 2: Read the textbook via your bookshelf in VitalSource

Step 3: Download the VitalSource app onto your favourite device and access the textbook offline.

To purchase a hard copy:

Higher Nationals in Art and... Higher Nationals in Creative... Higher Nationals in Constru... [Shop Now](#)

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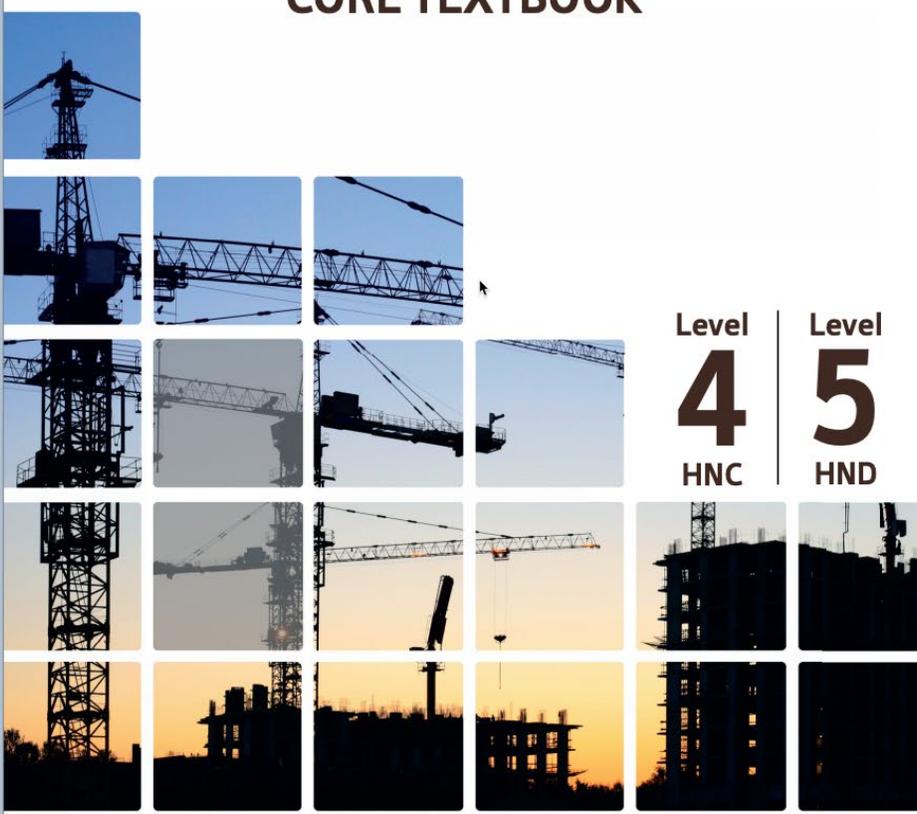
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BTEC

HIGHER NATIONALS IN

CONSTRUCTION

CORE TEXTBOOK



Level

4

HNC

Level

5

HND

 **Pearson**

Cover       

Construction and the Built Environment Reading List

[View](#)[Edit](#)[Nodequeue](#)

Unit 1: Individual Project (Pearson Set)

Textbooks

BALDWIN, A. (2014) Handbook for Construction Planning and Scheduling. London: Wiley-Blackwell.

BUSSEY, P. (2015) CDM 2015: A Practical Guide for Architects and Designers. London:

RIBA. CIOB (2010) Guide to Good Practice in the Management of Time in Complex Projects. London: Chartered Institute of Building.

GOETSCH, D. L. (2011) Construction Safety & Health. London: Pearson.

KELLY, J. and MALE, S. (1992) Value Management in Design and Construction: The Economic Management of Project. London: Taylor & Francis.

POTTS, K. and ANKRAH, N. (2014) Construction Cost Management: Learning from Case Studies. London: Routledge.

LAWSON, B. (2005) How Designers Think: The Design Process Demystified. London: Routledge.

WYATT, D. (2007) Construction Specifications: Principles and Applications. New York: Delmar.

Unit 2: Construction Technology

Textbooks

BRYAN, T. (2010) Construction Technology: Analysis and Choice, Oxford: Blackwell.

CHARTLETT, A. and Maybery-Thomas, C. (2013) Fundamental Building Technology. 3rd Ed. Abingdon: Routledge.

CHUDLEY, R. et al. (2012) Advanced Construction Technology. 5th Ed. Harlow: Pearson Education Limited.

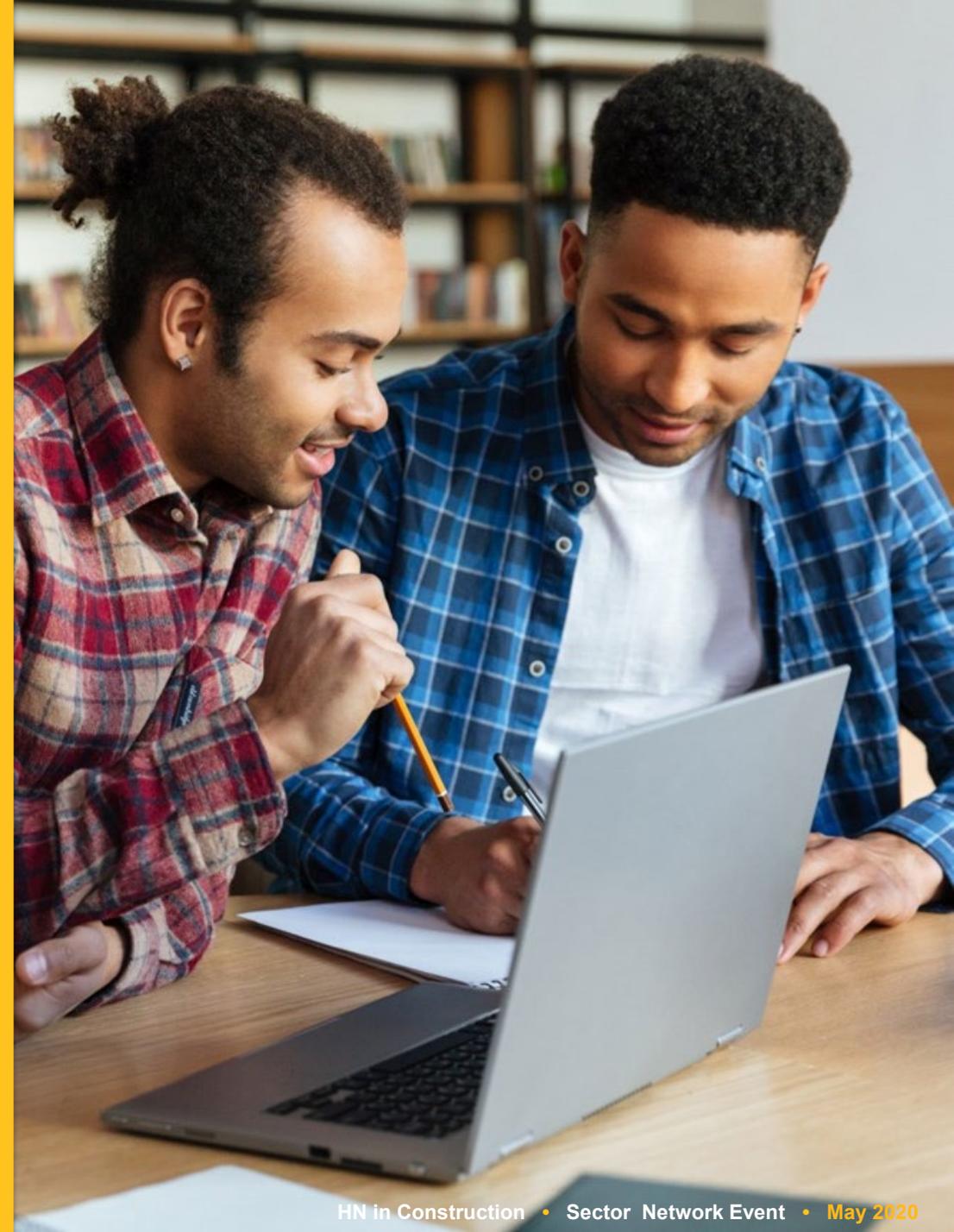
CHUDLEY, R. and Grenno, R. (2016) Building Construction Handbook. Abingdon: Routledge.

FLEMING, E. (2005) Construction Technology: An Illustrated Introduction. Oxford: Blackwell.

Useful websites and online platforms to support the delivery of your Higher National programme

Useful Research Websites

- <https://designingbuildings.co.uk>
- <https://www.hse.gov.uk/construction/resources/index.htm>
- <https://www.excellencegateway.org.uk/vocabularies?>
- <http://pinpoint.ukgbc.org>
- <https://www.arup.com/perspectives/publications/the-arup-journal>
- <https://www.theb1m.com>
- <http://bimblog.bondbryan.com/wp-content/uploads/2015/05/30004-BIM-dictionary.pdf>
- <http://www.constructionmanagemagazine.com>
- <https://www.building.co.uk>
- <https://www.offsitehub.co.uk/offsite/magazine/>
- <https://www.rics.org/uk/news-insight/>
- <https://www.ciob.org/library>
- <https://ciat.org.uk/practice-technical.html>
- <https://www.architecture.com/explore-architecture>
- <https://www.cibse.org/knowledge>
- <https://www.ice.org.uk>
- https://www.ciria.org/CIRIA/Bookshop/Free_Publications/Books/Free_CIRIA_Publications.aspx?hkey=ca8794b8-b1b3-4742-880d-6c7a27719afb
- Others...



Alternative Software to Support Working from Home

- Sketchup - 3D modelling software (free online modeller)
- BuildSoft – structural design and analysis (free student licensing)
- LibreCAD – free 2D CAD software

- Autodesk a broad range of animation, VFX and modelling tools

- Blender – 3D modelling, rendering and animation system, video editing software
- Graphic Image Manipulation Program - high-end photo editor
- Inkscape - vector graphics editor
- Scribus - page layout/desktop publishing

- LibreOffice – free Microsoft compatible word processor, spreadsheet, etc.



Useful websites for Distance Learning

- <http://edx.org>
- <https://online-learning.harvard.edu/subject/art-design>
- <https://www.artsy.net/article/artsy-editorial-10-university-art-classes-free-online>
- <https://www.my-mooc.com/en/>
- <https://www.open.edu/openlearn/>
- <https://www.autodesk.com/education/distance-learning>
- [EGCurriculumArea=Building%20and%20construction&SfLlevels=Level%204](https://www.autodesk.com/education/distance-learning/EGCurriculumArea=Building%20and%20construction&SfLlevels=Level%204)
- <https://www.tes.com/articles/construction-and-built-environment-teaching-resources>
- <https://www.stem.org.uk/resources/community/collection/24330/construction-and-built-environment>
- https://cbuilde.com/events/event_list.asp?show=&group=&start=8%2F22%2F2019&end=&view=&cid=19968
- <https://www.supplychainschool.co.uk>
- <https://www.theb1m.com/videos>
- <https://academy.autodesk.com/curriculum>
- Others...



Tips for delivering online

Pearson has collated research on effective online teaching. There are nine strategies used by successful educators:

1. Know the technology
2. Create and maintain a strong presence
3. Set clear expectations for the online session
4. Establish a sense of comfort and develop a community of students
5. Promote reflection and communication through quality asynchronous discussion
6. Have a good balance of active leader and active observer
7. Request regular feedback from students and be make sure you are clear (avoid misinterpretation)
8. Regularly check content resources and applications
9. Expect the unexpected and remain flexible

More information? Check out <https://www.pearsoned.com/9-strategies-for-effective-online-teaching/>



Sharing Resources and Strategies that Work

–

What have you found?

Covid-19: General Pearson updates

Our latest information is available [here](#)

Important Note: All updates and guidance are current as of the of this Event (**11 May 2020**) and are subject to change.

Please check our website regularly for further updates.

Ofqual Consultation

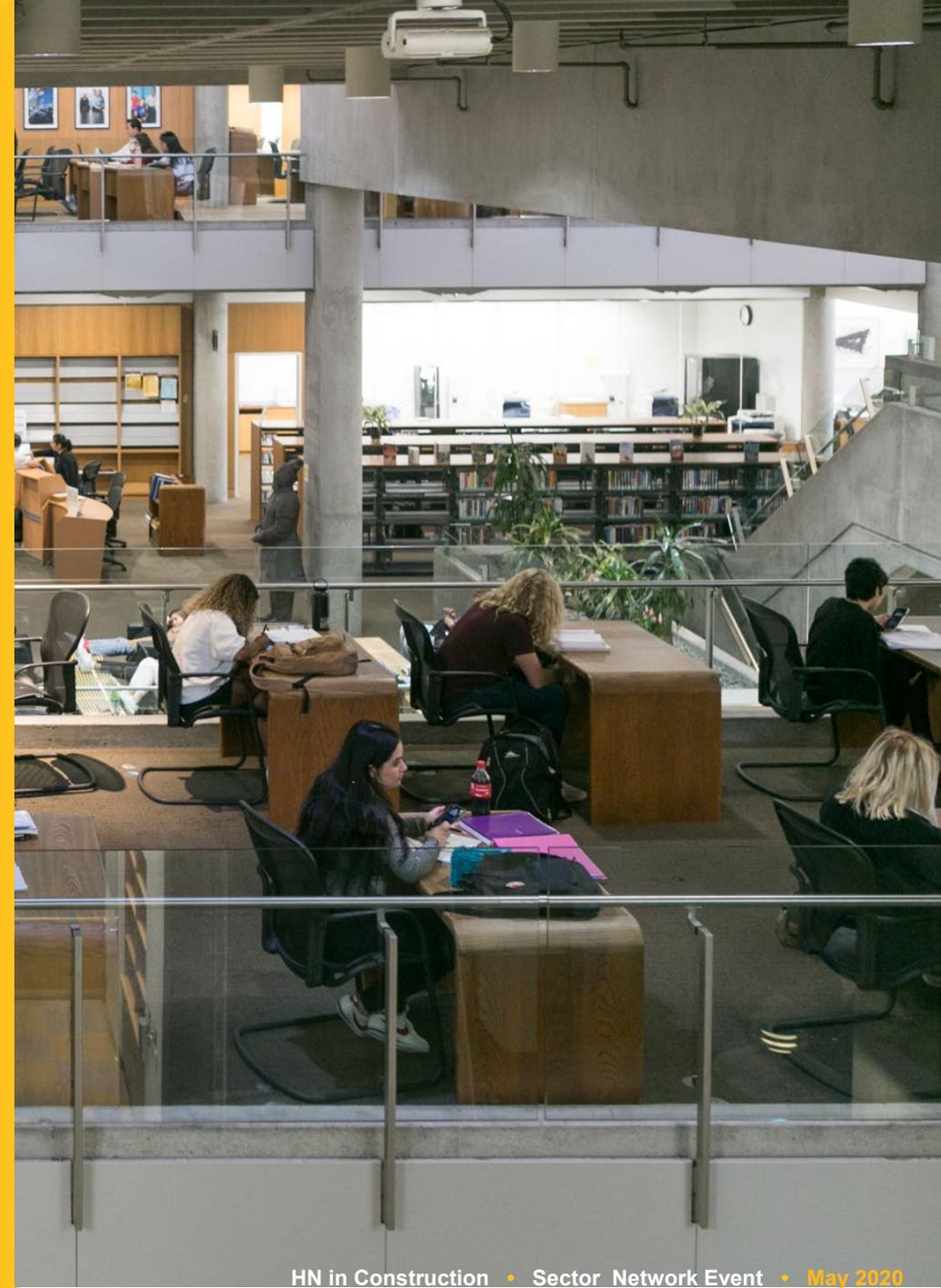
[Ofqual has announced its consultation](#) on how Vocational & Technical qualifications will be graded and awarded.

The consultation covers many of Pearson's qualifications, which are delivered in the UK and internationally, including the **BTEC Higher Nationals**.

The Ofqual consultation was open for comments until 8 May. We hope that all centres contributed to the consultation.

Our priority remains to help learners progress to the next stage in their lives, and we will endeavour to award to as many learners as possible within best practice from Ofqual guidelines, as well as taking account of local regulations. Please see our updated FAQs for vocational and technical qualifications [here](#) for further details.

We want to make sure that we are doing everything we can to best support you and your learners at this time. Our website is updated daily with the latest news, advice and guidance and our free online resource offers to enable learning to continue for the rest of the academic year. If you have any further questions, please contact your Pearson representative.



Covid-19: Assessing and Awarding Higher Nationals in Creative Media Production

Important Note: All updates and guidance below are current as of the May 2020 of this Event and are subject to change. Please check our website regularly for further updates.

Latest HN Teaching & Assessment Guidance

Pearson Higher Education Qualifications have produced a detailed guidance document to support you in maintaining your provision in the new environment and on progressing students into study in 2021. You can find this:

[COVID-19 Teaching and Assessment Guidance for BTEC Higher Nationals](#)

We continue to work with Ofqual to establish how centres should deal with the certification of students in summer 2020 where they are unable to complete student teaching and assessment this year and we will communicate with you as soon as we have more detail to share.

We know you'll have many questions and we are here to support you. You can contact us via [Pearson Support](#).



COVID-19

HN Teaching & Assessment Guidance

The guidance document includes useful tips and resources to support alternative approaches to assessment and delivery:

- ✓ How to approach course design
- ✓ How to approach selection of an alternative BTEC Higher National Unit
- ✓ How to approach research
- ✓ How to approach groupwork
- ✓ How to approach the use of alternative software
- ✓ How to approach laboratory work
- ✓ How to approach work experience
- ✓ How to approach presentations
- ✓ Sector-specific guidance



Covid-19: Sector- related updates/Guidance

Adapting Assessment

What does it mean?

1. It **DOES NOT** mean changing learning outcomes or assessment criteria.
2. Where students may show evidence of achievement by undertaking a **different form of work/output** – you may adapt the assignment and the form of assessment.

An example:

Originally - the assignment was to have students give a presentation, answer questions and then submit their reflections

Adapted – the students will present via Zoom (to the tutor and peers), then their peers will ask question in our VLE Forum and the student will give responses. They will post their reflections in their Personal Blog (on the VLE).



Specialist Equipment

First, ask yourself:

1. Do the learning outcomes or assessment criteria require the student to use specialist equipment? If not, can we adapt the assessment?
2. If the unit DOES require the use of specialist software:
 - a. Do all of the student have access to a computer at home?
 - b. Can students get access to the software and install it at home?
3. Are there alternative software packages that could be used?

An example:

Unit 46: Technical Drawing does not require the use of CAD software. The LO and AC make no specific requirement for drawings be produced in CAD. While we may have been using CAD in the teaching & learning, could we allow students to produce their final drawings by hand?

There is nothing in the unit that would preclude this. However, we might need to allow students additional time to make this change in their process.



Q&A

Additional Training

In addition to course materials and support services, we also regularly run training events to help you successfully deliver your course.

Whether you're new to Higher Nationals, need a refresher or want to know more about the Higher Nationals RQF qualifications, we've a range of events to help.

[> Find out more about training](#)



Final Question:

How else might Pearson support your delivery?

highernationals@pearson.com



ALWAYS LEARNING