

Higher Nationals in Computing

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 Computing,
HN Global & other
websites

WELCOME TO HN GLOBAL >

hnglobal.highernationals.com



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

- <u>Textbooks and Resource Areas</u> created to support your subject core units
- <u>Careers Centre</u> 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
- <u>Tutor Channel</u> informative clips to support assessment and delivery
- Reading Lists list of recommended resources for your programme
- <u>Delivery Materials</u> 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

FREE
STUDY SKILLS START >

Getting Organised for Study

Writing For Your Higher National Course

useful in supporting

their studies

Reading, Note-taking & Summarising



72%

have positive feelings towards the use of HN Global **HN GLOBAL**

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.















All Subjects

Short Courses

Learning Zone **▼**



QA Hub

Blog

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





All Subjects

Short Courses



Tutor Resources **❤**

QA Hub

Blog

HN GLOBAL

Career Centre

Core Textbooks

Degree Finder

E-Library

Student Channel

Student Resources

Study Gui

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

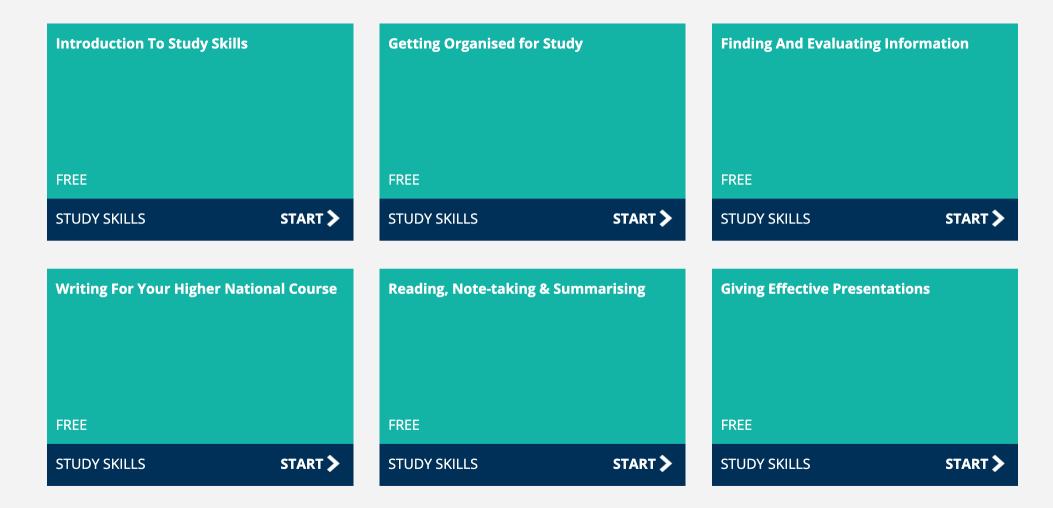
LATEST NEWS

Blog

HN GLOBAL

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Short Courses



Human Skills: Webinar Series

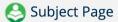
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HN GLOBAL

All Subjects



Aeronautical Engineering:



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

Output Delivery Materials

and the Built Environment >

Delivery Materials











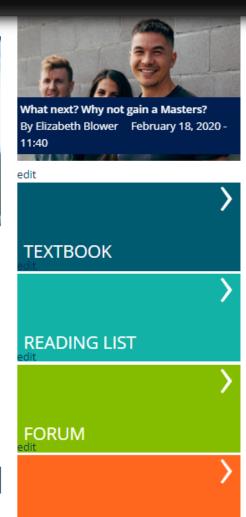
COMPUTING

Welcome to the HN Global community. As a BTEC Higher National student in Computing 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

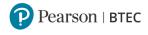


STUDY SKILLS

CAREERS CENTRE



> Rent key texts located in the E-Library



All Subjects

Short Courses

Learning Zone **▼**

Tutor Resources ♥

OA Hub

Blog

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Computing 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 Computing. 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

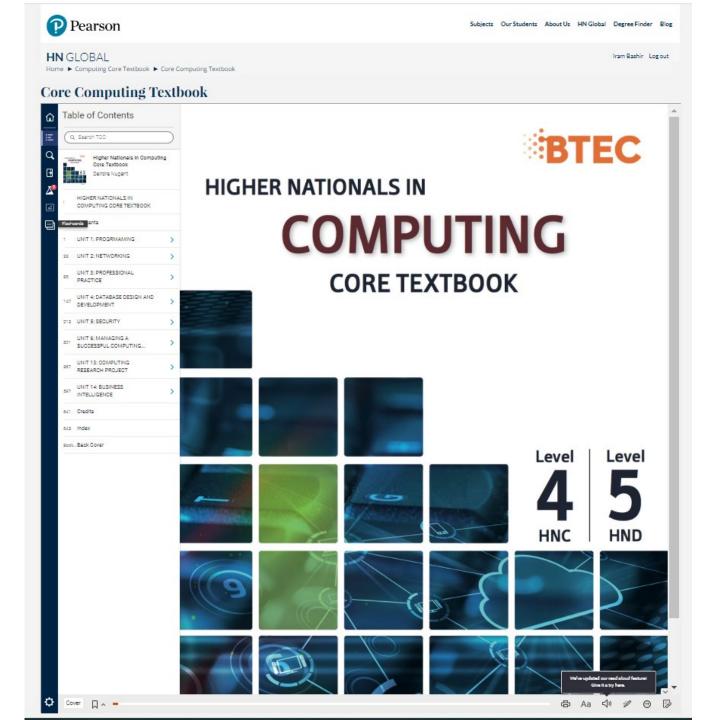
Step 2: Read the textbook via your bookshelf in VitalSource

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

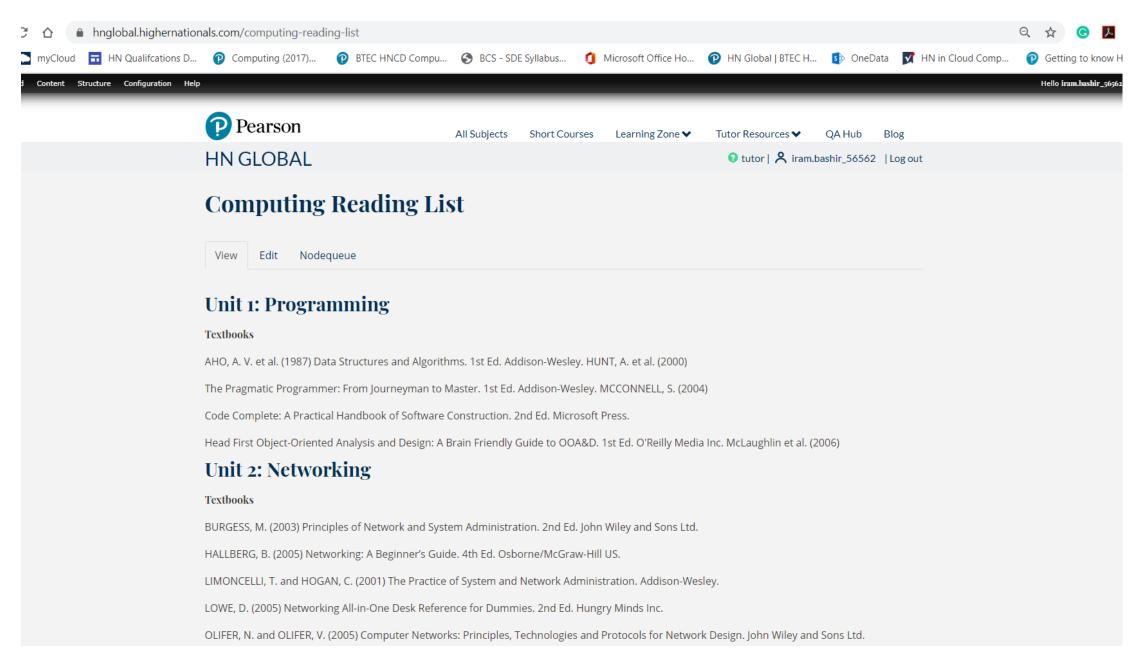
To purchase a hard copy:



Pearson Rookstore & or contact ± + + (a) 8 + 2 + 2 6666 (UV number) to place an order











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



Useful websites for Distance Learning

- http://edx.org
- https://online-learning.harvard.edu/
- https://www.my-mooc.com/en/
- https://www.open.edu/openlearn/
- https://www.udacity.com/
- https://www.codecademy.com/
- Others...

Useful to Understand Online Learning and Delivery

- https://www.futurelearn.com/courses/preparing-to-learnonline-at-university
- https://www.open.edu/openlearn/educationdevelopment/learning/how-can-you-take-your-teachingonline





Useful Research & Development Websites

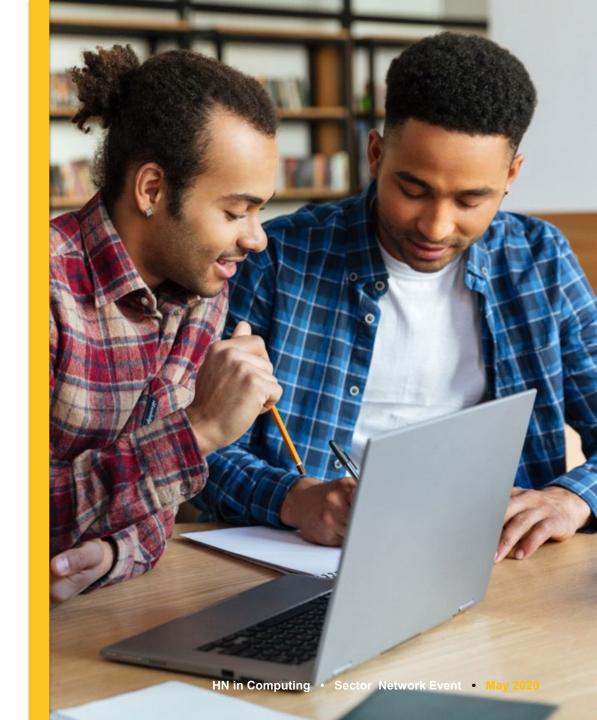
- https://academic.oup.com/journals/pages/open_access
- https://doaj.org/
- https://www.omicsonline.org/open-access-journalslist.php
- https://www.onlineschools.org/open-access-journals/
- <u>www.thinkwatson.com</u>
- www.bcs.org
- www.fast.org.uk
- www.ico.gov.uk





Alternative Software to Support Working from Home

- Packet Tracer Free course and download Network Simulation
- Brianlinkletter Open Source Network Simulators Selection
- <u>Linux</u> Open Source Operating System
- <u>Unreal</u> games engine (free for education use)
- <u>Unity</u> games engine (free for individual use)
- www.nltk.org Natural Language Development Toolkit
- https://www.orocos.org Open Robot Control Software
- https://nrelabs.io Online Network (Engineering) Automation Tool
- <u>LibreOffice</u> and OpenOffice—free Microsoft Office compatible word processing, spreadsheet, etc.
- <u>Blender</u> 3D modelling, rendering and animation system, video editing software
- <u>Sketchup</u> 3D modelling software (free online modeller)



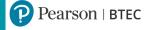


Tips for delivering online

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 <u>here</u>

Important Note: All updates and guidance are current as of the of this Event (**14 May 2020**) and are subject to change.

Please check our website regularly for further updates.



Ofqual Consultation

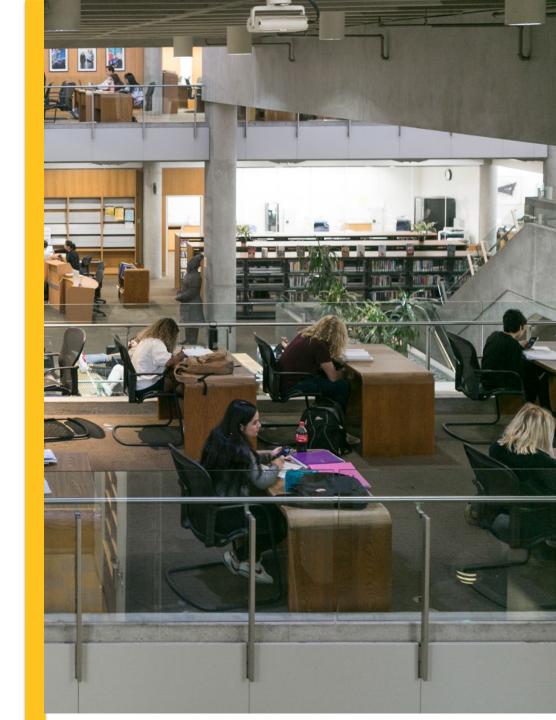
Ofqual has announed its consultation on how Vocational & Technical qualifications will be graded and awarded.

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 were able to contribute 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 Computing

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: Sectorrelated updates/Guidance



Adapting Assessment

What does it mean?

- 1. It **DOES NOT** mean changing learning outcomes or assessment criteria.
- 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 2: Networking LO4 requires an implementation and diagnosis of a network. Whilst physically setting up a network would be preferred the use of a simulation tool such as Packet Tracer would be acceptable at this level (4)

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



