

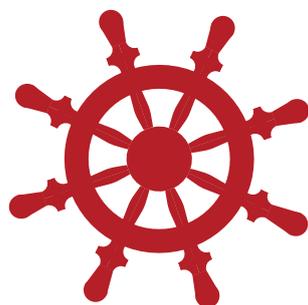
Digi

Navigators



Qualification

Specification





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About NCC Education

NCC Education is a UK awarding body, active in the UK and internationally. Originally part of the UK National Computing Centre, NCC Education started offering IT qualifications in 1976 and from 1997 developed its portfolio to include Business qualifications, IT qualifications for school children and a range of Foundation qualifications.

With Centres around the world, NCC Education aims to employ the latest technologies for learning, assessment and support. NCC Education is regulated by Ofqual (the Office of Qualifications and Examinations Regulation, see www.ofqual.gov.uk) in England and Northern Ireland.

Why choose this qualification?

NCC Education's Digi-Navigators:

- is suitable for candidates at **Key Stage 2** of the English national curriculum (ages 7–11), as well as older (including adult) learners
- builds on students' understanding of **digital citizenship and online safety** – this means that candidates will improve their core skills and understanding of the online world and continue to be safe and responsible members of online communities
- prepares candidates to be the **next generation of digital innovators** – Digi-Navigators not only provides skills and understanding so that students can be critical consumers of hardware and software but, in expanding their knowledge of digital design and creation and of writing and testing simple programs, they will continue to lay the foundation for becoming **active producers of new and imaginative software**
- provides teachers with a **fresh and innovative syllabus** containing all the concepts, activities and resources to be able to deliver with confidence the new programming elements of the English national curriculum
- is **quality assured** by a UK awarding body with considerable expertise in providing high-quality IT/Computing qualifications and programmes
- sits within NCC Education's well-established suite of IT and Business qualifications, which are **recognised and valued** by employers and universities worldwide

Structure and Assessment for the Qualification

Assessment Objectives

Digi-Navigators is assessed by a single two-part examination once candidates have completed their preparation. The single examination consists of a written theory component and a practical component. All Learning Outcomes are satisfied by this single examination.

The single examination's theoretical and practical component can be delivered independently to enable more flexible delivery (for ease of timetabling) and to provide candidates with the opportunity to engage with the assessment in two short sessions, to aid their concentration.

The written theoretical component of the single examination comprises multiple-choice questions (Part A), linked to the qualification's Learning Outcomes. The practical component (Part B) will require candidates to complete one or more tasks. The two parts of the assessment will allow candidates to demonstrate that they have met the qualification's Learning Outcomes – in other words, that they can successfully demonstrate their knowledge and comprehension of the subject matter in addition to computational problem-solving and practical skills.

Overview of Digi-Qualifications Assessment

Qualification	Examination: Theoretical Component (Part A)	Examination: Practical Component (Part B)
Level 1 – Digi-Explorers	30 minutes	30 minutes
Level 2 – Digi-Navigators	45 minutes	45 minutes
Level 3 – Digi-Trailblazers	45 minutes	45 minutes

An examination is a time-constrained assessment that will take place on a specified date and usually in an NCC Education Approved Centre. In the above table 'Theoretical Component' refers to questions which require candidates to recall relevant information and write or type answers into an answer booklet. 'Practical Component' refers to computer (lab) based task or tasks which require candidates to produce individually a particular digital artefact or artefacts.

An examination mark is calculated by combining marks awarded to candidates in the theoretical and practical sections of the single examination. Theoretical and practical components are equally weighted (50%).

NCC Education Centres can provide candidates with a specimen examination paper and marking scheme, past examination papers and marking schemes will also be available.

Examinations are marked by the centre and NCC Education moderates all assessment components (Part A and Part B). For practical questions which require candidates to produce a digital artefact, Centre staff are required to record marks for candidates' work according to the marking scheme guidance issued by NCC Education.

Accessibility of Assessment

We review our guidelines on assessment practices to ensure compliance with equality law and to confirm assessment for our components is fit for purpose.

Reasonable Adjustments and Special Consideration

NCC Education is committed to providing reasonable adjustments and special consideration so as to ensure disabled candidates, or those facing exceptional circumstances, are not disadvantaged in demonstrating their knowledge, skills and understanding.

Further information on NCC Education's arrangements for giving reasonable adjustments and special consideration can be found in the NCC Education *Reasonable Adjustments and Special Considerations Policy*.

Supervision and Authentication of Assessment

NCC Education Approved Centres are required to organise all assessment activity for this specification according to NCC Education's Policies and Regulations.

Candidates' identity and the authenticity of their work for the practical component (Part B) is verified and NCC Education moderates the examination papers (Part A) and the artefacts (Part B) to ensure that the marking carried out is fair and reflects the standard achieved by candidates, relevant to the specification Learning Outcomes and Assessment Criteria. Detailed guidance on this process and how candidate work must be submitted to NCC Education is given in NCC Education's *Examination Guidelines* and *Moderation Manual*.

Administration

Assessment Cycles

Four assessment cycles are offered throughout the year, in March, June, September and December.

Examination dates and submission deadlines are published in the NCC Education *Activity Schedule*, which is provided to Centres by NCC Education Centre Support. It is also available on *Connect*, NCC Education's candidate registration system.

The *Activity Schedule* also gives the key dates for registering candidates for assessment cycles, and the dates when Centres can expect to receive assessment documentation and the assessment results from NCC Education.

Language of Assessment

All assessment is conducted in English.

Candidates

NCC Education's qualifications are available to those Centre candidates who satisfy the entry requirements as stated in this specification.

Qualification and Unit Entry Requirements

Entry Requirements

The Digi-Navigators syllabus and assessment is suitable for candidates aged 7–11 (at Key Stage 2 of the English national curriculum) as well as older (including adult) learners.

It is expected that candidates who are non-native English speakers are able to cope with the demands of preparing for and taking the Digi-Explorers assessment in English.

Candidate Entry

Candidates are registered by Approved Centres for assessment via NCC Education's *Connect* system and according to the deadlines for registration provided in the *Activity Schedule*.

Further details can be found in NCC Education's *Centre Handbook*.

Syllabus

Syllabus overview

The Digi-Navigators syllabus contains the following topics, topic sections and Learning Outcomes. Syllabus topics may be covered in any order (as best suits the requirements of the candidates and their wider curriculum).

Syllabus content		
Topic	Topic Section	Learning Outcomes
Digital Design and Creation	Using Digital Images	<ul style="list-style-type: none"> Understand how digital images can be manipulated for a given outcome.
	Creating Digital Video/Animation	<ul style="list-style-type: none"> Understand how to storyboard and capture video or a series of stills to make an animation.
	Graphical Modelling	<ul style="list-style-type: none"> Know how to use an object-based graphics package to design and develop a plan to meet a specific brief.
	Sound	<ul style="list-style-type: none"> Know how to edit sound files for a purpose.
Computer Gaming	Developing Problem-Solving and Logical Reasoning Skills	<ul style="list-style-type: none"> Develop problem-solving and logical reasoning skills.
	Programming Games	<ul style="list-style-type: none"> Understand how programming code can be used to create a program for a specific purpose.
Presenting Information	Word Processing	<ul style="list-style-type: none"> Use a range of skills to present text clearly, appropriately and for a specific purpose.
	Creating Digital Presentations	<ul style="list-style-type: none"> Know how to combine a range of digital media to create a presentation for a specific audience Understand how to use appropriate tools, such as hyperlinks, to enhance a presentation.
Digital Citizenship	Using Technology Safely, Respectfully and Responsibly	<ul style="list-style-type: none"> Recognise the importance of keeping safe and being respectful when using technology. Learn about potential dangers and how to avoid them.

	Web Research	<ul style="list-style-type: none"> • Know how to use a range of search techniques to find, select and refine reliable information. • Begin to understand how and why search engines select and rank results. • Understand plagiarism, validity and copyright in relation to online material.
Networks, Communication and Collaboration	Using Computer Networks	<ul style="list-style-type: none"> • Recognise what computer networks (including the Internet) are and how they function
	Communication and Collaboration	<ul style="list-style-type: none"> • Identify and understand how to use online tools that enable us to communicate and collaborate with others
Handling Data	Applying Data Analysis and representation	<ul style="list-style-type: none"> • Solve enquiries by identifying and interpreting appropriate data
	Modelling	<ul style="list-style-type: none"> • Know how to develop spreadsheet models to investigate real-life problems.
Programming Simulations and Physical Systems	Simulating Real-World Environments	<ul style="list-style-type: none"> • Understand how programs that mimic the real world are developed.
	Controlling Physical Systems	<ul style="list-style-type: none"> • Know how to program devices to control physical systems.

Results and Certificates

An overall numerical mark is awarded to candidates. Candidates who obtain an overall examination mark of 50% or above are classed as a *pass*. All candidates who obtain marks below 50% are classed as *failed* in the examination.

After each assessment cycle results slips are issued (in electronic format) which detail the final mark. Certificates are then dispatched to Centres.

Further Information

For more information about any of NCC Education's products, please contact customer.service@nccedu.com or, alternatively, visit www.nccedu.com to find out more about our suite of high-quality British qualifications.

Appendix 1 Qualification Documentation

The following NCC Education documentation has been referred to in this specification:

- Reasonable Adjustments and Special Considerations Policy
- Marking and Moderation Manual
- Activity Schedule
- Centre Handbook

All documentation, together with access to NCC Education's online resources, is available to Approved Centres and (where applicable) candidates who have registered for assessment.



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