

# Cardinal Newman High School



## S3 Curricular Pathways April 2022



Departmental information

This booklet should be used to help in discussion with your child their personalisation moving forward into S4. All pupils will continue to study English, Maths and Religious Education. They should choose 5 other subjects, one from each column on the options form. There are some restrictions:

- Pupils should only choose subjects that they have studied in S2 and S3.
- Pupils should not choose Hospitality and Health and Food Technology together.

If you require any additional help or assistance, please contact your child's pupil support teacher.

Forms should be completed, signed and returned by Friday the 22<sup>nd</sup> of April 2022.

Page 3	<b>English</b>
Page 4	<b>Mathematics</b>
Page 5	<b>Religious Education</b>
Page 6	<b>Art</b>
Page 7	<b>Computing</b>
Page 8	<b>Drama</b>
Page 9	<b>Music</b>
Page 10	<b>Music Technology</b>
Page 11	<b>Biology</b>
Page 12	<b>Chemistry</b>
Page 13	<b>Physics</b>
Page 14	<b>Modern Studies</b>
Page 15	<b>History</b>
Page 16	<b>Geography</b>
Page 17	<b>Business</b>
Page 18	<b>Physical Education</b>
Page 19	<b>Practical Woodworking</b>
Page 20	<b>Hospitality</b>
Page 21	<b>Health and Food Technology</b>
Page 22	<b>Spanish</b>

## Core Subject: English

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N4

- Creative and Discursive writing
- Added Value Unit- research task
- Novels, short stories, poetry, plays and media

#### N5

- Creative and Discursive writing
- Novels, short stories, poetry, plays and media
- Scottish set text

### Types of assessment undertaken

#### N4/N5

- Written tasks under exam conditions
- Critical essays of texts
- Skills development
- Talking and Listening

### Final Award

**N4** Internally assessed coursework, unit exams, and added value unit.

**N5** Final external exam (2.5 hours)

SQA Externally assessed folio (Ongoing throughout year, submitted in February)

Progression into S5/6:

National 5



Higher



Advanced Higher



### This subject can lead to careers in:

- journalism/ writing
- teaching
- information and research
- tourism
- events management
- social work/ youth work
- human resources
- web content manager
- retail management and sales



## Core subject: Mathematics

Levels offered in S4:

National 4 ☒

National 5 ☒

### Topics covered in S4:

#### N4

- Pythagoras
- Straight Line
- Equations
- Formulae
- Enlargement and Reduction
- Trigonometry

#### N5

- Straight Line
- Functions
- Equations
- Changing the Subject of the Formula
- Pythagoras

### Types of assessment undertaken

#### N4/N5

- Internal Assessments

### Final Award

N3/4 Internally assessed coursework, unit exams, and added value unit.

N5 Final external exam (Non Calculator 1 hour 15 minutes, Calculator 1 hour 50 minutes)

Progression into S5/6:

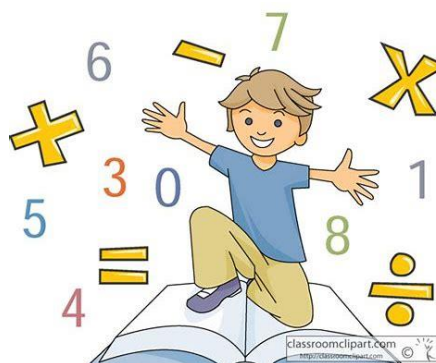
National 5 ☒

Higher ☒

Advanced Higher ☒

### This subject can lead to careers in:

- Math teacher
- Statistician
- Actuarial analyst
- Chartered accountant
- Data analyst
- Investment analyst
- Research scientist (maths)
- Software engineer
- Statistician
- Financial manager
- Financial trader
- Game designer
- Meteorologist
- Quantity surveyor



## Core Subject: R.E. / R.M.P.S

Levels offered in S4:

National 4 ☒

National 5 ☐

Pupils in S4 have the opportunity to maximise their attainment in core RE by gaining a National 4 qualification in the SQA course, RMPS (Religious, Moral & Philosophical Studies).

In order to gain this award, pupils should successfully complete an assessment on the following units in order to meet the SQA assessment criteria. The content of the units being delivered encompasses the core learning from the National Catholic R.E. curriculum, 'This is our Faith'.

- Word Religion
- Religious & Philosophical Questions
- Morality & Belief

Additionally, Pupils must complete an 'Added Value Unit' which shows evidence of investigation and research in a topic studied.

### N4 Types of assessment undertaken

- Written tasks under exam conditions
- Practical work
- Skills development

### Final Award

**N4** Internally assessed coursework, unit assessments, and added value unit.

Pupils may be awarded recognition of completing units only if this assignment is not successfully completed.

### Progression into S5/6:

National 5 ☐

Higher ☒

Advanced Higher ☐

### This subject can lead to careers in:

- Law
- Politics
- Medicine
- Social Work
- Counselling
- Teaching
- Health Care
- Psychology
- Charity Sector
- Local Government



## Curricular choice: Art & Design

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N4/N5

- Art & Design: Expressive Folio
- Art & Design: Expressive Art Studies

### Types of assessment undertaken

#### N4/N5

- Written tasks
- Practical work
- Skills development
- Critical Studies

### Final Award

**N3/4** Internally assessed coursework, unit exams, and added value unit.

**N5** Final external exam (1 hour)  
Externally assessed Portfolio (April)

Progression into S5/6:

National 5



Higher



Advanced Higher

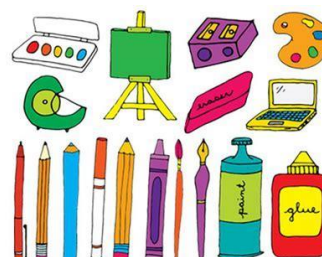


NPA Level 5 Photography in S5

Higher Photography in S6

### This subject can lead to careers in:

- |                            |                          |
|----------------------------|--------------------------|
| • Fine Art                 | • Gallery Curator        |
| • Sculpture                | • Product Design         |
| • Graphic Design           | • Special Effects Artist |
| • Fashion & Textile Design | • Set Design             |
| • Photography              | • Art Teacher            |
| • Interior Design          | • Jewellery Design       |
| • Architecture             | • Tattoo Artist          |
| • Illustration             | • Video Games Design     |
| • Digital Media            | • Ceramics and Pottery   |



## Curricular choice: Computing

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N5

- Software Design and Development
- Database Design and Development
- Web Design and Development
- Computer Systems

#### N4

- Software Design and Development
- Information Systems

### Types of assessment undertaken

#### N5

- Practical tasks and activities on computers
- Skills development
- Exam style questions
- Computational thinking problems

### Final Award

**N3/4** Internally assessed coursework (both units) and added value unit.

**N5** Final exam question paper (2 hours)

Externally assessed coursework assignment (Feb - Mar)

Progression into S5/6:

National 5



Higher



Advanced Higher



NPA Games Development

### This subject can lead to the following careers:

- |                                |                               |
|--------------------------------|-------------------------------|
| • Software Developer           | • Project Manager             |
| • Database Administrator       | • IT Consultant               |
| • Graphic Designer             | • Application/Games Developer |
| • Computer Hardware Engineer   | • Information Researcher      |
| • Computer Systems Analyst     | • Systems Engineer            |
| • Web Developer                | • Systems Designer            |
| • Information Security Analyst | • IT Helpdesk/Support         |
| • Computer Programmer          | • Search Engine Optimisation  |
| • Information Systems Manager  | • Secondary school teacher    |



## Curricular choice: Drama

Levels offered in **S4**:

National 4



National 5



### Topics covered in S4/5:

#### N4/N5

- Performing Skills
- Stage & Production
- Developing Character
- Responding to text

### Types of assessment undertaken

#### N4/N5

- Performance exam
- Production assessment
- Final written exam

### Final Award

N4 – Internal assessment and external performance exam

N5 – External written exam and external performance/production exam

Progression into S5/6:

National 5



Higher



### This subject can lead to careers in:

- Drama Teacher
- Drama therapy
- Actor
- Performer
- Theatre director
- Dancer
- Record Producer
- Community arts worker





## Curricular choice: Music

Levels offered in **S4**:

National 4



National 5



### Topics covered in S4/5:

#### N4/N5

- Performing Skills
- Composition
- Understanding Music

### Types of assessment undertaken

#### N4/N5

- Performance Exam
- Composition Assignment
- Listening Exam

### Final Award

**N3/4** Internally assessed performance exam, composition assignment and listening exam.

**N5** Externally assessed **Performance Exam** (8 minutes - 2 instruments)

Externally assessed **Composition Assignment** (April)

Externally assessed **Listening Exam** (April/May)

Progression into S5/6:

National 5



Higher



Advanced Higher



In another music subject

### This subject can lead to careers in:

- Music Teacher
- Music therapist
- Composer
- Performer/Session Musician
- Music Journalist
- Music Librarian/Historian
- Record Producer
- Radio DJ
- A&R Coordinator



## Curricular choice: Music Technology

Levels offered in **S4**:

National 4 ☐ X National 5 ☒

### Topics covered in S4/5:

#### N5

- Music Technology Skills
- Understanding 20<sup>th</sup>/21<sup>st</sup> Century Music
- Music Technology in Context

### Types of assessment undertaken

#### N5

- Portfolio
- Listening Exam

### Final Award

#### N5

Externally assessed **Portfolio** containing 2 Recording Assignments (March)

Externally assessed **Listening Exam** (April/May)

Progression into S5

Higher ☒

In another music subject

### This subject can lead to careers in:

- Audio Visual Specialist.
- Music Producer.
- Music Director
- Media and Event Support Specialist.
- Studio Engineer.
- Director of Audio/Visual Events.
- Audio Engineer.
- Recording Artist.
- Multimedia Specialist.



**Music Technology**

## Subject choice: Biology

Levels offered in S4:

National 4



National 5



### Topics covered in National 4

- Cell Biology
- Multicellular Organisms
- Life on Earth
- Added Value Unit (AVU)

No final exam, however, there will be continuous internal assessments.

### Topics covered in National 5

- Cell Biology
- Multicellular Organisms
- Life on Earth
- Assignment

Final external SQA exam (2.5 hours) as well as continuous internal assessments.

### Skills Developed

In addition to developing knowledge and understanding young people will develop skills in literacy, numeracy and health and wellbeing. The National 4 and National 5 Biology course also provides young people with the opportunity to develop their digital literacy skills as well as skills for life, learning and work (DYW).

Progression into S5/6:

National 5



Higher



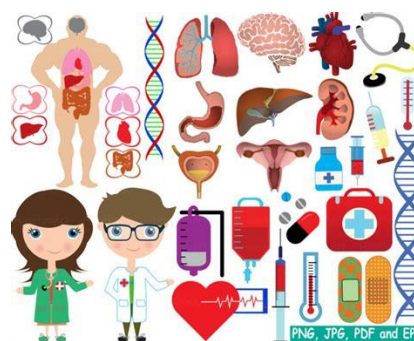
Advanced Higher



In another Science subject or  
Skills for Work: Health Sector

### This subject can lead to careers in:

- Scientific research
- Medicine/Veterinary Medicine
- Dentistry
- Nursing
- Health Care
- Hairdressing
- Beauty
- Sports
- Physiotherapy
- PE



## Subject choice: Chemistry

Levels offered in S4:

National 4



National 5



### Topics covered in National 4

- Chemical Changes & Structure
- Natures Chemistry
- Chemistry in Society

No final exam, however, there will be continuous internal assessments.

### Topics covered in National 5

- Chemical Changes & Structure
- Natures Chemistry
- Chemistry in Society

Final external SQA exam (2.5 hours) as well as continuous internal assessments.

### Skills Developed

In addition to developing knowledge and understanding young people will develop skills in literacy, numeracy and health and wellbeing. The National 4 and National 5 Chemistry course also provides young people with the opportunity to develop their digital literacy skills as well as skills for life, learning and work (DYW).

Progression into S5/6:

National 5



Higher



Advanced Higher



In another Science subject or  
Skills for Work: Health Sector

### This subject can lead to careers in:

- Analytical chemist
- Chemical engineer
- Forensic scientist
- Pharmacologist
- Research scientist (physical sciences)
- Toxicologist
- Medicine / Veterinary Medicine / Veterinary Nursing
- Dentistry / Dental Nursing
- Textile Technologist
- Cave Diver



## Subject choice: Physics

Levels offered in S4:

National 4



National 5



### Topics covered in National 4

- Electricity
- Energy
- Waves
- Radiation
- Dynamics
- Space

### Topics covered in National 5

- Electricity
- Energy
- Waves
- Radiation
- Dynamics
- Space

### Skills Developed

In addition to developing knowledge and understanding young people will develop skills in literacy, numeracy and health and wellbeing. The National 4 and National 5 Physics course also provides young people with the opportunity to develop their digital literacy skills as well as skills for life, learning and work (DYW).

Progression into S5/6:

National 5



Higher



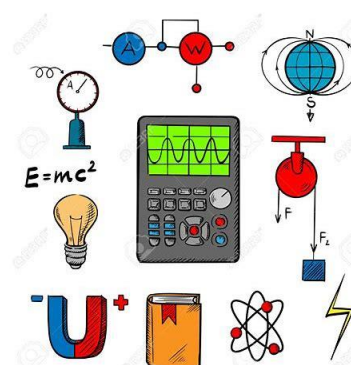
Advanced Higher



In another Science subject or  
Skills for Work: Health Sector

### This subject can lead to careers in:

- Engineer
- Architect
- Computer Games Developer
- Data Analyst
- Design Engineer
- Medicine / Veterinary Medicine / Veterinary Nursing
- Dentistry / Dental Nursing
- Laser Engineer
- Software Development
- Astronaut / Aerospace Engineer / NASA Communications



## Subject choice: Modern Studies

Levels offered in S4:

National 4

☒

National 5

☒

### Topics covered in S4:

#### N4/N5

- Democracy in the UK
- Crime and the Law in the UK
- World Power - USA

### Types of assessment undertaken

#### N4/N5

- Knowledge and Understanding Questions (Describe/Explain)
- Written tasks under exam conditions
- Enquiry Skills Questions
- Added value Unit / Assignment

### Final Award

**N4** Internally assessed coursework, unit exams, and added value unit.

**N5** Externally assessed Assignment (1hour)

Final external exam (2hr 20mins)

Progression into S5/6:

National 5

☒

Higher

☒

Advanced Higher

☐

In another Social Studies subject

### This subject can lead to careers in:

- Law
- Teaching
- Politics
- Media and broadcasting
- Social Work
- Journalism
- Civil Service
- Charity Organisations
- Police
- Economics

### **Modern Studies**



## Subject choice: History

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N4/N5

- Nazi Germany, 1918-1939
- Migration and Empire, 1830-39
- Changing Britain, 1760-1914

### Types of assessment undertaken

#### N4/N5

- Knowledge and Understanding Questions
- End of Unit assessments
- Enquiry Skills Questions
- Added value Unit / Assignment

### Final Award

**N4** Internally assessed coursework, unit exams, and added value unit.

**N5** Externally assessed Assignment (1 hour)

Final external exam (2hr 20mins)

Progression into S5/6:

National 5



Higher



Advanced Higher



In another Social Studies subject

### This subject can lead to careers in:

- Law
- Teaching
- Politics
- Journalism
- Tourism
- Library work
- Publishing
- Anthropology
- Civil Service
- Museum work
- Archaeology
- Restoration work
- Business



## Subject Choice: Geography

Levels offered in S4:

National 4

☒

National 5

☒

### Topics covered in S4:

#### N4/N5

- Physical environments in UK
- Human Environments across the world
- Global Issues

### Types of assessment undertaken

#### N4/N5

- Knowledge and Understanding Questions
- Written tasks under exam conditions
- Source Based Skills Questions
- Added value Unit / Assignment

### Final Award

**N4** Internally assessed coursework, unit exams, and added value unit.

**N5** Externally assessed Assignment (1hour)

Final external exam (2hr 20mins)

Progression into S5/6:

National 5

☒

Higher

☒

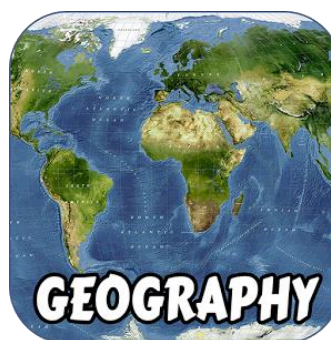
Advanced Higher

☐

In another Social Studies subject

### This subject can lead to careers in:

- Environmental management
- Teaching
- Meteorology
- Demography
- Landscape Architecture
- Rural development
- Natural conservation
- Cartography
- Travel and Tourism
- Town and country planning
- Surveying





## Subject Choice: Business Management

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N4/N5

- Understanding Business
- Management of People and Finance
- Management of Marketing and Operations

### Types of assessment undertaken

#### N4/N5

- Knowledge and Understanding Questions
- Written tasks under exam conditions
- Analysis Questions
- Added value Unit / Assignment

### Final Award

**N4** Internally assessed coursework, unit exams, and added value unit.

**N5** Externally assessed Assignment  
Final external exam (2 hours)

Progression into S5/6:

National 5



Higher



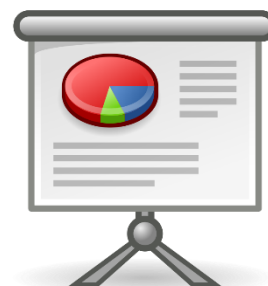
Advanced Higher



In another Social Studies subject

### This subject can lead to careers in:

- Marketing
- Teaching
- Human Resources
- Administration
- Civil Service
- Clerical
- Accounts
- Finance
- Economics
- Social Media Managers
- Business management consultants
- Operations and Events Management



## Subject choice: Physical Education

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N4/N5

- Factors Impacting Performance
- Movement & performance skills
- Planning, developing and implementing approaches to develop performance
- Monitoring, recording and evaluating performance
- Decision making and problem

### Types of assessment undertaken

#### N4/N5

Component 1: Portfolio  
Component 2: Performance

### Final Award

N4/5 Externally assessed Portfolio (completed during class time) – 50%

Internally assessed 'One-Off' performances in two activities – 50%

Progression into S5/6:

National 5



Higher



### This subject can lead to careers in:

- Teaching
- Sports and exercise science
- Sports Coaching
- Personal trainer/gym instructor
- Travel and tourism
- Leisure management
- Outdoor Education
- **Plus many more due to the skills it develops below!**

### Skills and Qualities - from studying Physical Education:

- Teamwork
- Technical ability
- Physical fitness
- Time management
- Organisation
- Communication
- Analytics
- Discipline
- Leadership



## Subject Choice: Practical Woodworking

Levels offered in S4:

National 4



National 5



### Topics covered in S4:

#### N4/N5

- Preparation of woodwork
- Construction of items
- Woodwork joints
- Assembly of items
- Machining and Finishing

### Types of assessment undertaken

#### N4/N5

- Written tasks under exam conditions
- Practical construction
- SAQ assignment

Progression into S5/6:

National 5



Higher



Advanced Higher



In another subject area delivered within department.

### This subject can lead to careers in:

- Joiner/ Carpenter
- Shop fitter
- Cabinet maker
- Roofer
- Picture framer
- Product design
- Construction Industry
- Set designer
- Teacher



## Subject choice: Hospitality Skills for Work

Levels offered in S4:

National 4

☒

National 5

☒

### Topics covered in S4:

#### N4/N5

- Working in the Hospitality Industry
- Working in the professional kitchen
- Working Front of House
- Introduction to Events

### Types of assessment undertaken

#### N4/N5

- Continual assessment achieving passes in all parts of course units

Progression into S5/6:

National 5

☒

Higher

☐

Advanced Higher

☐

In another subject area delivered within department.

### This subject can lead to careers in:

- Chef
- Hospitality Industry Jobs
- Front of House
- Hospitality Events Industry
- Teaching/ college lecturer
- Food Photographer
- Reception Work
- Events Planning



## Subject choice: Health & Food Technology

Levels offered in S4:

National 4 ☐

National 5 ☒

### Topics covered in S4:

#### N5

- Food for health
- Contemporary Food Issues
- Food Product Development
- Assignment

### Types of assessment undertaken

#### N5

- Written tasks under exam conditions
- Practical work
- SQA Assignment/research project

### Final Award

N5      Final external exam  
Externally assessed Assignment

Progression into S5/6:

National 5 ☒

Higher ☒

Advanced Higher ☐

In another subject area delivered within department.

### This subject can lead to careers in:

- Teaching
- Food Product Development within food industry
- Medicine
- Dietetics
- Nursing
- Health Care Professions
- Home Economist
- Sports and PE related careers
- Food Photographer
- Food Scientist





## Subject choice: Skills for Work - Health Sector

Levels offered in S4:

National 4



### Topics covered in National 4

- Health Sector in Scotland
- Roles & Responsibilities
- Health Awareness
- Working Safely
- Life Sciences Industry

No final exam, however, there will be continuous internal assessments.

### Who is the course suitable for?

The course is suitable for any young person in S4 who is interested in a career within the health sector or childcare.

### Skills Developed

This course focuses on developing **employability skills** needed for a career in the health sector. The course is to prepare young people for working in the health sector and develop employability skills valued by employers. Young people will develop a range of knowledge and skills required in this vocational area. Pupils will investigate a range of job roles and career opportunities as well as participating in a job interview. Pupils will have **flexibility** and **personalisation** of choice.

Progression into S5/6:

National 5



Skills for Work

National 5



Biology

### This subject can lead to careers in:

- Care Sector
- Nursing
- Dental Nursing
- Veterinary Nursing
- Childcare
- Life Sciences



