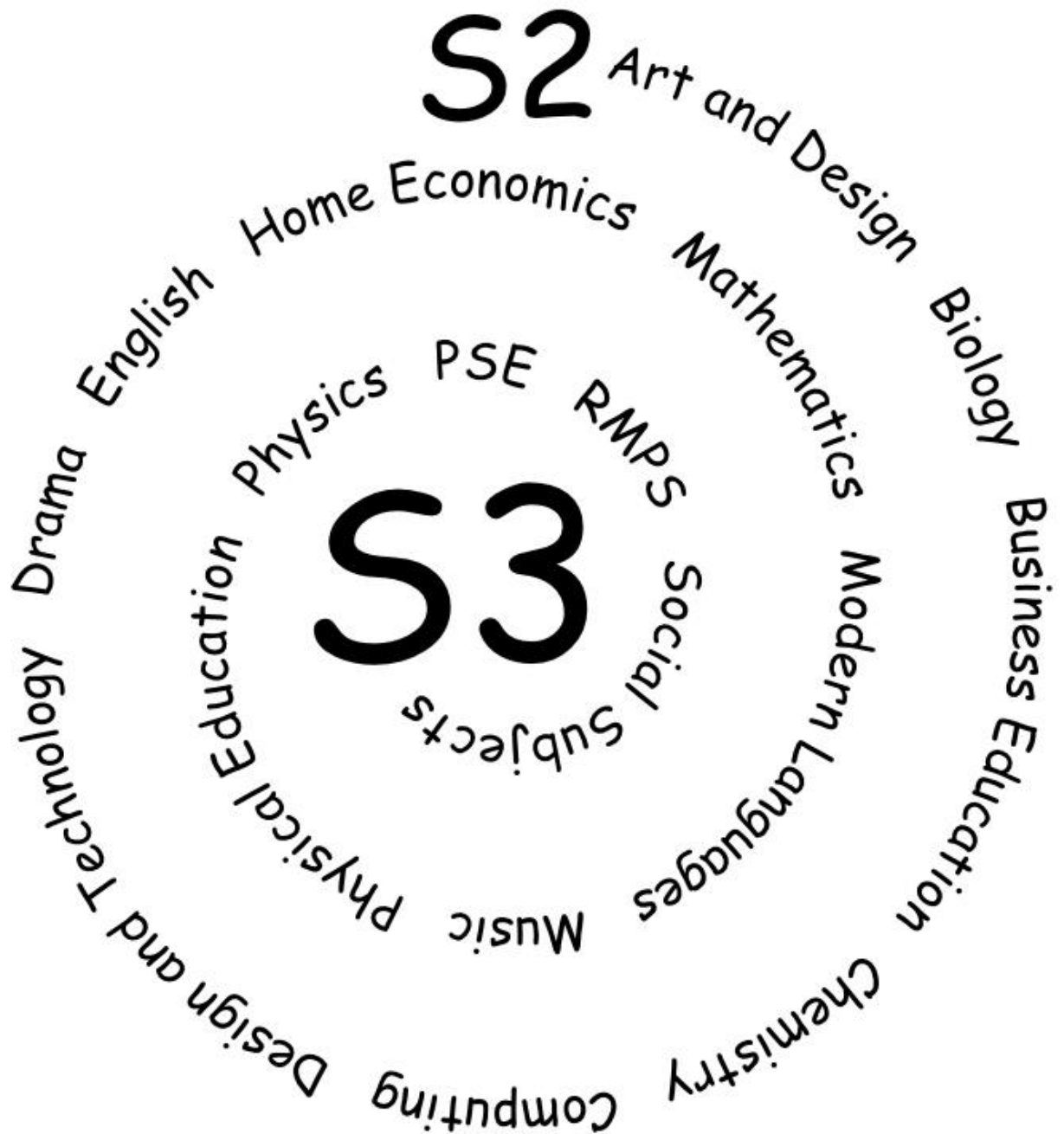


Moving On Up My Choices For S3



2021 - 2022

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Moving on up: My Choices for S3

Having followed a broad general education for the first two years at Forres Academy, we offer young people an opportunity to have more choice and personalisation in their learning as they move into S3. While they will still have a broad education, drawing from a number of curricular areas, we feel that choice is vital in third year as this year will provide a strong transitional experience from the junior stage of education into the senior phase of education in S4 - 6.

Subject Choice

Near the end of S2 is the time when we ask young people to make more informed choices about the future direction of their studies at Forres Academy. Our aim as a school is to ensure all young people are following programmes of study which offer;

- Challenge and enjoyment
- Breadth
- Progression
- Depth
- Personalisation and Choice
- Coherence
- Relevance

These seven principles of curriculum design should be at the very heart of our aspirations for young people as they make choices and they move up through the school.

There are certain subjects and experiences which will be followed by **all** young people in S3;

- Maths
- English
- PSE
- RME
- Core PE
- Modern Language

In addition to this, young people will be asked to make six further choices. All young people must ensure they make a broad range of choices from across the curricular areas which are;

1. Languages and Literacy
2. Mathematics and Numeracy
3. Health and Wellbeing
4. Sciences
5. Expressive Arts
6. Social Studies
7. Technologies
8. Religious and Moral Education

Guidance staff will discuss options with young people to ensure there is breadth and balance to all young people's choices. Where it is felt that a young person lacks breadth across the curricular areas, this will be discussed with parents.

CHOICE PROCESS

1. Read the explanation of the courses available in this booklet.
2. Pupils should choose **one** of the Social Studies, Sciences, Expressive Arts, and Technologies to keep a broad range of subjects. The other 2 choices can come from any area. This makes a total of six choices.
3. Place a number beside each of the choices, with 1 being the top choice and 6 being the last choice.
4. Indicate 2 reserve choices which can be from any curriculum area with an 'R1' and an 'R2' with R1 being your most preferred reserve choice.

PLEASE BE AWARE

Each pupil is given the opportunity to select a subject in each of the curricular areas. Whilst every effort is made to ensure that all pupils are able to study the subjects of their choice, this is not always possible, because of;

Insufficient numbers choosing a course leading to that course not running. It is impossible for the school to run a course which has been chosen by a very small number of pupils. In this case, a reserve choice may be allocated.

The pupil has chosen subjects that "clash" (ie they run at the same time) making it impossible for them to do both. A reserve choice would be offered instead.

Too many pupils have chosen a particular course. On the occasions when this occurs, we try to ensure that those pupils who have given the subject a high priority in their choices are allocated places. Those who gave it a lower priority will be offered their reserve choice.

Once all the choices have been made and any problems ironed out, the pupils will be informed of their classes in time for the start of S3.

FREQUENTLY ASKED QUESTIONS

How will pupils progress in Modern Languages in S3 and into the senior phase?

The S3 Modern Language lessons are designed to allow pupils to progress with their language skills from S1 and S2 and prepare them for certificate courses. The Modern Language course will better equip young people with the skills, knowledge and understanding required to be an effective global citizen in the rapidly changing twenty-first century. Although the focus will be on developing language skills it is about more than just language learning and will also have a cultural element. This course will support pupils to opt to continue their studies of French/German into S4

How will courses be assessed?

The S3 experience is not formally accredited via SQA examinations. This will start from S4 onwards. However, throughout the year pupils will be formatively assessed as they progress through their learning experiences and as teachers evaluate progress within the curricular experiences and outcomes which are being developed. Pupils will also have opportunities to reflect on their own learning journey and their progress and achievements throughout S3 which will be recorded in their S3 Profile.

What skills will be developed and what is the S3 Profile?

Curriculum for Excellence places a large focus on the development of skills for learning, life and work to support pupils in gaining a sustainable destination after school such as employment or further/higher education. At Forres Academy we have a set of key skills we refer to as our Skills for Success. We aim to develop pupils' skills in four key areas of Personal, Interpersonal, Communication and Thinking skills. In S3, pupils will reflect on their skills development and achievements and record this in the Profile which is a document that they will add to over the course of the year. At the end of S3 they will receive a copy of their Profile at a celebration event. The Profile and reflection on skills will be useful when making subject choices, applying for college etc and in considering next steps in their personal development.

How will the courses fit in with the senior experience in S4 – S6?

All the courses offered are built on relevant outcomes and experiences from the eight curricular areas we work with in school. These outcomes and experiences articulate with National Qualifications at National 4 and 5 levels which will be offered in S4.

Do you have to continue with the same subjects in fourth year that you take in third year?

Young people will have the chance to choose again once they approach the end of S3 and at that time they will be choosing for SQA accredited qualifications. When making choices in S2, pupils should really be starting to think ahead in terms of their long term career aspirations, while still being assured that there is a degree of flexibility in the system to allow them to change some of their subjects as they choose again for S4.

Will there be homework?

Homework will be issued to support and consolidate learning done in class. By S3, all young people should be getting into good study habits in order to prepare them for the senior phase of education in S4 to S6. When someone has no formal homework this does not mean there is nothing to do. Pupils should be reading over their notes taken in class, trying to improve existing work and so on. All this will help pupils get into good habits for once they are in the senior school.

FINAL POINTS

You will find a practice copy of the course choice form in this booklet and you should use this to help you make your decisions. **The actual course choice form which you will hand in to your Guidance PT will be issued separately.**

Bear the following points in mind when making your final choices;

- Think carefully about your choices and discuss with your parents/carers
- Ensure you have a broad selection of subjects and are not narrowing your options for further up the school and in your future
- Listen to advice from your Guidance PT
- Do not pick subjects just because your friends are choosing them
- Think about what you may wish to go on to do as qualifications in S4 and beyond.

Good luck with making your choices and we hope you enjoy moving on up from S2 into S3.

S3 Course Choice Form 2021-22

Name _____ House Class _____

During S3 you will be following a broad general curriculum that should include subjects from each curricular area as shown below. You can make 6 choices from the list below, numbering your choices 1-6 in order of preference (1 being your most preferred choice). In addition please indicate 2 reserve choices with 'R1' and 'R2' in your preferred order, as you cannot always be guaranteed your first choices. Please read through the course choice booklet which is on our website to gain further information on the courses available.

- You should choose **at least one** subject from Social Studies, Technologies, Science and Expressive Arts (ie curricular areas 1-4 on the table below)
- Your **other 2 choices** can come from **any** curricular areas 1-5 on the table below
- Rank your choices 1 to 6 with 1 being your preferred first choice
- Choose **two reserve** subjects from any area and mark them with an 'R1' and 'R2'
- You do not need to choose a subject from curricular areas 6, 7 and 8 below as PE, PSE, English, Modern Languages and Maths are studied by all pupils

Please return the choice form to your Guidance Principal Teacher before Friday 05th March 2021

<u>Curricular areas</u>	<u>Your choices 1-6 and R1/R2</u>
1) Social Studies. You should choose at least one of the following:	
• Geography	
• History	
• Modern Studies	
• Business	
2) Technologies: You should choose at least one of the following:	
• Engineering Science	
• Practical Woodwork	
• Graphic Communication	
• Computer Science	
• Food Studies	
• Fashion and textiles	
3) Science: You should choose at least one of the following:	
• Biology	
• Chemistry	
• Physics	
• Applied Science	
4) Expressive Arts: You should choose at least one of the following:	
• Art and design: Creating in 2D and 3D	
• Drama	
• Music: Create and perform	
• PE: Leadership through PE	
5) RME: You will study RME. In addition you may also choose:	
• Meaning of Life	
6) Health and Well Being: You will study core PE and PSE	
7) Literacy and Language: You will study English and a Modern Language	
8) Numeracy and Mathematics: You will study Maths	

Signed _____
(Parent/Carer)

Signed _____
(Guidance)

DEPARTMENT: ENGLISH	Core Subject
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COURSE TITLE: English

OUTLINE OF COURSE

The S3 English Course aims to develop and extend pupils' language and communication skills in the four key areas of Reading, Writing, Talking and Listening. A wide range of fiction, non-fiction and media texts, including Scottish texts, will be explored. There will be opportunities to research and present ideas and to create texts in a variety of genres for different purposes.

- UNITS COVERED**
1. Analysis and Evaluation – This involves reading, watching and listening to a wide range of texts (fiction & non-fiction) covering a range of themes and purposes, with the aim of developing pupils' understanding and critical awareness of the writer's craft.
 2. Creation and Production – This involves researching, producing and presenting a wide range of written and oral pieces in a variety of genres such as imaginative, discursive and reflective.
 3. Literacy Skills - The teaching of language and grammar is integrated within the course – developing the key listening, talking, reading and writing skills and tools necessary for successful learning, life and work.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will be encouraged to work independently and collaboratively with others, to discuss, present and share ideas, monitor their own progress, identify areas for improvement and take responsibility for their own learning. Pupils will also be expected to sustain a programme of personal reading (including novels, non-fiction books, newspapers, magazines, websites etc.). Key skills developed for learning, life and work include: identifying and summarising key ideas in texts, critically analysing and evaluating texts, research and note making skills, constructing coherent arguments, presenting ideas effectively in discussion and talk activities and writing accurate and clearly expressed texts.

- ASSESSMENT AND EVIDENCE OF LEARNING**
- All assessment is based on CfE level 3 & 4 experiences and outcomes. Judgements are made in relation to a wide variety of evidence including:
- Oral and written responses to a range of texts displaying Listening and Reading skills
 - Structured and developed responses to literature and media in the form of critical essays
 - Observation of performance in individual presentations and participation in discussion activities
 - Writing skills displayed in a wide range of creative and discursive pieces
 - Monitoring of performance in class activities
 - Progression and mastery of literacy skills monitored in skills ladders across all work and identification of individualised targets
- Towards the end of the course, pupils will be guided through a number of summative assessments, designed to introduce them to the style of the assessments they will face in the Senior Phase, as well as provide further evidence of their progress and development.
- All evidence is collated and evaluated in each pupil's folder which provides a basis for discussion and reflection on current learning and to identify next steps.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 English > National 5 Literacy/English or National 6 Higher English > National 7 AH English

DEPARTMENT: MATHEMATICS	Core Subject
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COURSE TITLE: Mathematics Level 3/4
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OUTLINE OF COURSE

Pupils will build on their knowledge and understanding of outcomes and experiences and the skills learned in S1 and S2 to progress through Level 3 outcomes and extend to Level 4 in the areas of Number, Money and Measure; Shape, Position and Movement; and Information Handling in a variety of forms for learning, life and work.

UNITS COVERED

Number, Money and Measure involving all types of number calculations; solving problems involving measurements of time, angle, length, areas and volumes; learning about money and budgeting in real life contexts; and working with algebra.

Shape, Position and Movement involving working with 2D and 3D shape and using scale and symmetry.

Information Handling involving probability and the use of statistics to display, analyse and interpret data and to communicate results.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will experience active learning activities, working cooperatively in pairs as well as working individually. They will be encouraged to think through problems and to share ideas with others to come to solutions. Skills in working with Number, Money & Measure; Shape Position and Movement, and Information Handling will be developed further from S2 and pupils should use this as an introduction to their S4 courses.

ASSESSMENT AND EVIDENCE OF LEARNING

A variety of approaches will be used to collect evidence on progress and understanding. These include classwork, teacher observation, short topic tests and formal examinations on units of work each term.

All of the above will provide information used to place pupils in an appropriate course in S4 which provides them with the greatest chance of success.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Applications of Mathematics N3 or N4 > Mathematics Nat 4 or Applications of Mathematics N4/ N5
Or
Mathematics 4 > Applications of Mathematics N5 > Applications of Mathematics Higher
Or
Mathematics N4 > Mathematics N5 > Higher

DEPARTMENT: MATHEMATICS	Core Subject
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COURSE TITLE: Mathematics Level 4+

OUTLINE OF COURSE

Pupils will build on their knowledge and understanding of outcomes and experiences and the skills learned in S1 and S2 to progress through Level 4 and beyond in the areas of Number, Money and Measure; Shape, Position and Movement; and Information Handling in a variety of forms for learning, life and work.

UNITS COVERED

Number, Money and Measure involving all types of number calculations; solving problems involving measurements of time, angle, length, areas and volumes; learning about money and budgeting in real life contexts; and working with algebra.

Shape, Position and Movement involving solving problems using Pythagoras and trigonometry, scale and symmetry.

Information Handling involving probability and the use of statistics to display, analyse and interpret data and to communicate results.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will experience active learning activities, working cooperatively in pairs as well as working individually. They will be encouraged to think through problems and to share ideas with others to come to solutions. Skills in working with Number, Money & Measure; Shape Position and Movement, and Information Handling will be developed further from S2 and pupils should use this as an introduction to their S4 courses.

ASSESSMENT AND EVIDENCE OF LEARNING

A variety of approaches will be used to collect evidence on progress and understanding. These include classwork, teacher observation, short topic tests and formal examinations on units of work each term.

All of the above will provide information used to place pupils in an appropriate course in S4 which provides them with the greatest chance of success.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Mathematics N5 > Higher Mathematics > Advanced Higher Mathematics

DEPARTMENT: MODERN LANGUAGES	Core Subject
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COURSE TITLE: Modern Languages (French or German)
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OUTLINE OF COURSE

The S3 Modern Languages lessons allow pupils to develop their language and communication skills in the language they have been learning in S1 and S2. The focus will be on the four key skills of listening, talking, reading and writing. Pupils will have the opportunity to extend their vocabulary and knowledge about language and will use and understand the language in a wide variety of texts for different purposes which are of increasing length and difficulty. The majority of pupils will be completing level 4 work in preparation for certificate courses in S4.

UNITS COVERED

- 1. Paris / Berlin**
Pupils will learn language and cultural information related to the capital cities of France and Germany and be able to link this and contrast to their home area. This will involve developing extended writing skills to produce a leaflet on a town or city
- 2. Holidays**
Pupils will be introduced to new vocabulary to be able to discuss and understand information about holidays. This will include developing the skill to understand and use French/ German in different tenses and for different purposes e.g. writing a postcard / booking a hotel.
- 3. Film study**
This unit involves watching and studying various aspects of a French or German film with the aim of being able to discuss and review the film in the language being learned.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

The course will be delivered through various media:

- Film, websites, interactive activities, power points, video clips, authentic materials

Pupils will have the opportunity to take part in:

- Project work and research projects using ICT
- Role plays and conversations (understanding and using language)
- Individual, pair and group work
- Conversation and cultural lessons with a Foreign Language Assistant.

Pupils will develop the Literacy skills of Listening, Talking, Reading and Writing as well as:

- Interpersonal skills – working in teams and using social skills in pair and group tasks
- Thinking skills – creating and evaluating a piece of work in the language, remembering and applying vocabulary and knowledge about language

Personal skills – pupil’s confidence will be increased in using and understanding French / German. They will develop respect for other languages and cultures through the study of a foreign language.

ASSESSMENT AND EVIDENCE OF LEARNING

Pupils will be assessed based on Curriculum for Excellent level 3 and 4 experiences and outcomes. Pupils will have the opportunity to give evidence of their progress in all four skills: listening, talking, reading and writing. A variety of approaches will be used to collect evidence including:

- Teacher observation
- Self and peer evaluation
- Formal assessments in the four skills
- Delivering presentations and taking part in conversations and role plays
- Producing written work for different purposes.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

This course provides progression to National 4 / 5 courses in French / German.

PHYSICAL EDUCATION PROGRAMME	Core Subject
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In accordance with government guidelines all pupils in Forres Academy are required to participate in two compulsory periods of meaningful Physical Education per week.

The Physical Education Department in Forres Academy provides an S3/4 health and wellbeing curriculum that aims to enable children and young people to:

- make informed decisions in order to improve their mental, emotional, social and physical wellbeing.
- experience challenge and enjoyment.
- experience positive aspects of healthy living and activity for themselves.
- apply their mental, emotional, social and physical skills to pursue a healthy lifestyle.
- make a successful move to the next stage of education or work.
- establish a pattern of health and wellbeing which will be sustained into adult life, and which will help to promote the health and wellbeing of the next generation of Scottish children.

Pupils will experience a wide range of physical activities and games to promote the above aims and should be prepared to participate in the following:

Athletics Badminton Basketball Dance Tennis Softball Gymnastics
Fitness Suite Boxercise Hockey Football Lacrosse Swimming Volleyball

Variety and pupil choice is very important and we hope to provide an experience with something for everyone. All we ask of pupils is that they approach lessons with the enthusiasm to have a go and that they are organised with the appropriate P.E. kit.

DEPARTMENT: PSE	Core Subject
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COURSE TITLE: Assertiveness and Communication

OUTLINE OF COURSE

The S3 course consists of three core units and seeks to prepare students for a variety of situations personally and within their future working lives. They should develop confidence and assertiveness skills. Students will have opportunities to tailor and personalise their study through the course.

The course will develop effective verbal communication skills, assertiveness, planning and literacy skills through a range of practical based activities and a project.

UNITS COVERED

Sexual Health and Relationships
Students will explore a range of issues connected to sexual health and relationships including emotions, the law and support available, as well as contraception and Sexually Transmitted Infections. We also look at sexuality in a contemporary society, debunking common stereotypes and analysing some of the barriers experienced by others even in our modern day. The course is designed to be flexible enough to accommodate current concerns and develop pupil communication and assertiveness skills.

Substance Misuse
Students will undertake a variety of activities that look at how substances are viewed by society and how that can impact the choices we make. We analyse the use of illegal drugs locally, national and globally and in a variety of contexts to ensure that pupils have a full awareness of the impact this has on our world.

World of Work
Students will undertake a series of activities to help them identify and understand their strengths and future aspirations, to develop their career management skills so they are able to make informed choices about their future subjects, skills and learning. Activities will include research and consideration of various career and occupational pathways. Students will select areas of interest for experience of work and prepare for the world of work through practicing and developing employability skills.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Opportunities will be provided for paired work, co-operative learning, group work, active learning, exploration of emotions, visiting experts, conducting interviews, community involvement, research, presentation, employability skills development.

ASSESSMENT AND EVIDENCE OF LEARNING

S3 Pupil Profile and Learner's Statement are built up over the year as evidence of learning. In addition the young people will have the opportunity to conduct a research project comparing local, national and international statistics and other information.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Pupils will move to a Driving Attainment period in S4, where they will develop study skills and meet one to one with their Guidance teacher regularly to discuss progress, attainment and future planning.

RELIGIOUS, MORAL AND PHILOSOPHICAL EDUCATION	Core Subject
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In line with Scottish government policy, all pupils in Forres Academy participate in one compulsory core period of Religious, Moral and Philosophical Education per week.

The Religious, Moral and Philosophical Education Department in Forres Academy provides a curriculum in S3 which aims to help young people to:

- Express their own beliefs, values and attitudes and put them into action.
- Show understanding and respect for those who hold different beliefs and values from themselves.
- Appreciate the effects of their actions on others.
- Face a complicated and changing world.
- Continue to develop thinking skills which will help them in the workplace and in adult life.

Specifically, young people will concentrate on the following skills:

- Appreciating equality and diversity in terms of religious beliefs.
- Exploring and commenting on a variety of ethical viewpoints.
- Taking the initiative and leading in a group.
- Thinking of and referring to relevant examples to support their opinions.
- Being aware of and able to question their own prejudices.
- Being aware of a range of world events which raise moral issues.
- Relating positively to others and taking responsibility for their own learning.
- Successfully performing research tasks on the internet.
- Reading complex material and making sense of it.
- Communicating their ideas clearly in a written presentation.
- Communicating their ideas clearly in an oral presentation.
- Participating fully in group and class discussions.
- Engaging in decision making exercises by weighing up options.

Pupils will experience a wide range of teaching and learning approaches – for instance, group presentations, debates, exploration of documentaries/You Tube clips and role play – as they examine what it means to be moral in the context of modern society.

Assessments will be a combination of written and oral tasks. They will focus on Curriculum for Excellence Levels 3 and 4 Experiences and Outcomes as well as the skills listed above.

DEPARTMENT: ART & DESIGN

COURSE TITLE: Creating Expressive & Design Work Based on Surrealist Theme

OUTLINE OF COURSE

In this course there are **two** main **projects** of study which comprises of practical and written work:

Expressive Practical Activity plus the study of artists and their work

Design Practical Activity plus the study of designers and their work.

Cost £10.00 per Year. When monies are paid students will receive an A2 plastic wallet and A4 sketchbook.

UNITS COVERED

Expressive Activity – Surrealist Drawing and Painting Project

Design Activity – Surrealist Graphic Design Project

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED – CREATIVE PROBLEM-SOLVING

Expressive Project – SURREALIST PAINTING

In this project pupils will learn about key surrealist artists and make detailed analysis of their work. This study of the 'Fantasy and Imagination' genre will inspire them in their own creative ideas.

Practical work will focus on developing pupils' drawing and painting skills and understanding of the 'visual elements', specifically line, shape, tone, form, colour, texture and perspective. Pupils will aim to achieve elements of realism in their work. A major focus will be on these skills using a variety of media including pencil, pen, ink and paint.

Through creative and imaginative thinking pupils will produce an expressive painted outcome using the key concepts of surrealism and demonstrating skills and understanding gained. Pupils will be able to evaluate their own and others' work and present finished artwork in exhibition.

Design Unit – GRAPHIC DESIGN FRINGE POSTER

In this project pupils will research and analyse specific designers working in 2D graphic design. The understanding of this will inform their practical work. 'Fantasy and Imagination' will again be the inspiration for this work.

In the practical element pupils will explore a range of graphic design techniques, for example: stencilling, stylising, collage, silhouette, lettering and layout.

Working on a design problem will further develop creative problem-solving skills. From a design brief outlining the considerations and constraints, pupils will follow the stages of the design process to produce a poster outcome. The pupil and their peers will evaluate this end product against success criteria.

ASSESSMENT AND EVIDENCE OF LEARNING

Evidence for assessment is to be presented on A2 sheets and in final expressive painting and design outcomes.

Learning is assessed against the criteria of Curriculum for Excellence, Art and Design levels two, three and four.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 3,4 and 5 > Higher Art and Design > Advanced Higher Art and Design

DEPARTMENT: BUSINESS EDUCATION

COURSE TITLE: Business & IT

OUTLINE OF COURSE

This course aims to develop an awareness of the effect of business and economics throughout society. Pupils will have the opportunity to develop the skills, knowledge and enterprising attitudes to equip them with an understanding of the environments in which we all live and work, regardless of their intended career path.

UNITS COVERED

The Business Environment – pupils will gain an insight into the business environment by looking at different types of businesses and why they exist. Pupils will look at the key skills and qualities of an entrepreneur, as well as the main functional activities of businesses including Marketing, Operations and Human Resource Management.

Entrepreneurial Skills – pupils will be given the opportunity to take part in a hands on enterprise project whereby they will be challenged to put a business idea into practice with the aim of making a profit. Pupils will have the choice of working independently or in a small group. They will need to use their Skills for Success as well as their knowledge of the business environment to ensure their business idea is profitable.

Technology in Business – pupils will develop their skills in the essential technologies used in business and society including the appropriate use of E-mail for communication, as well as other computer software often used in the workplace such as Microsoft Excel and Microsoft Word.

Travel and Tourism – pupils will be introduced to the travel and tourism industry and will experience a range of work-related activities. Pupils will develop their knowledge of tourism within Scotland, UK and the rest of the world, and the skills required to meet the needs of customers.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils are challenged to develop a range of employability skills with a key focus on ICT skills, enterprise skills and team-working skills. Pupils will frequently review their own progress and successes, and will be encouraged to consider and plan their next steps for improvement.

ASSESSMENT AND EVIDENCE OF LEARNING

A mixture of formal and ongoing informal assessment will be used throughout the year to ensure that pupils are achieving the relevant CFE Level 3 and 4 Technologies and Social Experiences and Outcomes.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 Administration & IT > Higher Administration & IT
National 4/5 Business Management > Higher Business Management
National 4/5 Travel & Tourism

DEPARTMENT: COMPUTING

COURSE TITLE: Computing Science

OUTLINE OF COURSE

The course will build on skills/knowledge developed in S1 and S2 ICT. The pupils will develop their programming skills using both familiar and new languages to create solutions ranging from games to animation.

They will get the chance to learn new application packages such as 3-D modelling, new programming languages and to challenge themselves by using more complex features of familiar software.

Pupils will gain an insight into the way our lives have been changed by the development of this technology and the possibilities, pitfalls and responsibilities that it brings. As part of this they will research and produce an information system on the legal aspects of computing.

Where possible we will use freely available software to allow pupils to further their own development at home.

UNITS COVERED

Our Digital Lives: What laws apply to the use of computers, and how do they concern me? The changes on our society since computers became commonplace and are they all for the good? Can computers affect my health? What career opportunities do they offer?

Programming: This is split into various topics over the year.

1. Creating and testing a game using random generators and timings to effect the outcome of events.
2. Programming hardware with the BBC microBit.
3. Programming a 3D animation to tell a story/present information.
4. Creating a simple program using a text-based language.
5. Designing/programming a website using HTML and incorporating style sheets. Pupils will have the chance to complete a National 4 Unit.

3D modelling learning to think and visualise a model in 3D and to use the features of the software to create an object of their own.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will work both individually and as part of small teams through mainly practical tasks.

They will learn to make informed choices on software, raise their awareness of any legal aspects of their work, safeguard their data, evaluate their own work and increase their understanding of the pressures and effects of ICT on their everyday lives. Pupils will be encouraged to be creative and take responsibility for their own solutions.

ASSESSMENT AND EVIDENCE OF LEARNING

This is based on the CfE Technologies Benchmarks relating to Computing Science and ICT at levels 3 and 4. Pupil's progress will be monitored by checklists and a folio of practical work along with more formal written and practical assessments. Evidence will be collected for future presentation to the SQA for the National 4 Unit.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Nat4/5 Computing Science in S4 leading to N5/Higher Computing Science in S5/6

DEPARTMENT: DESIGN & TECHNOLOGY

COURSE TITLE: Engineering Science

OUTLINE OF COURSE

This course will give the pupils the opportunity to investigate and experiment basic concepts to prepare them for the National Qualification course.

Pupils participating in this course will develop a range of engineering skills. They will also be introduced to the roles of mechanical, electrical and civil engineering disciplines in today's society including their work in sustainability and green engineering.

Please note that there is a considerable amount of numeracy work in this subject and pupils will struggle if they are not going to be undertaking at least N4 Maths in S4.

UNITS COVERED

1. Roles & Responsibilities of an Engineer.

Pupils will be introduced to the variety of different engineering disciplines and understand how each role participates in a project e.g. what is the role of a mechanical engineer in developing wind turbines.

2. Mechanical systems and Structures.

Pupils will build models and use simulation programs to better understand-how mechanisms and structures can be used to solve design problems. During this unit pupils will participate in individual and group tasks.

3. Electronic and Electrical systems.

Pupils will investigate a variety of electronic components so that they can identify and describe their function. With this knowledge they will design solutions for electrical products, first through computer simulation, to test their design, then through building physical working circuits. Pupils will also be introduced to computer control where they will compose programs to automatically operate devices. The software that we use in class, YENKA and TinkerCAD are both free to download so pupils can enhance their experiences outwith class.

Pupils may have the opportunity to manufacture a working electronic device which can utilise 3D printing, this has a cost of £5 for the components.

4. Energy.

Pupils will research traditional energy production currently used throughout the world and their impact on the environment. They will then be tasked with investigating and reporting on a new "cutting edge" method commenting on the social and economic implications of each method. They will also develop their awareness of energy "types" and how to manipulate formulas to solve a given problem

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

This course will provide pupils with opportunities to experience the skills required by engineers in today's society. Throughout the year pupils will gain skills in analysis and problem solving, skills in the use of specialist equipment and materials, and skills in evaluating products and systems. They will also gain knowledge of the relevance of energy, efficiency and sustainability in engineering problems and solutions.

While most tasks will be individual there will be opportunities for group work to improve their collaborative and communication.

ASSESSMENT AND EVIDENCE OF LEARNING

Pupils will be continually monitored and assessed to CFE Technologies criteria. Their progress in numeracy, literacy and ICT will be judged through observation, peer assessment and some formative assessments. Successful completion of this course will achieve an award of recognition from the SQA

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 Engineering Science and in some cases where appropriate to the pupil's ability they may undertake Higher Engineering Science in S4.

DEPARTMENT: DESIGN & TECHNOLOGY

COURSE TITLE: Graphic Communication

OUTLINE OF COURSE

This course will enable pupils to see how graphics are used in society. They will have the opportunity to gain experience on industry standard software and hardware to better equip them for future employment. While we still do formal drawing more of the course is based around computer aided design and computer graphics and how these are applied to a variety of occupations from product design to graphic illustrator, architect to quantity surveyor.

UNITS COVERED

1. Preliminary Graphics

Pupils will free hand sketch and draw to generate ideas for a product. This will include line drawing and illustrations. Recent topics have included GPS device, pen drive and a beach house to a given brief. Pupils will be introduced to a variety of styles of drawing techniques including sketching both 2 and 3D views and manual illustration techniques.

2. Production Graphics

Pupils will develop ICT skills with relevant software, Microsoft Office, AutoDesk Inventor, AutoDesk REVIT and Serif Design Studio, Pupils will also have the opportunity to use our 3D printer to manufacture their designs. These software titles will be available to download for home use.

3. Presentation Graphics

Pupils will investigate what makes a good advert or brochure before applying this knowledge to create eye catching computer graphic promotions, currently we create an infographic, an advert for a handheld device and a schedule for a house.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

This course will provide pupils with the opportunities to demonstrating the ability to plan and develop innovative ideas enhanced to improve their visual impact. While tasks will involve both manual work and computer work it will concentrate on ICT. During assignments pupils will develop their investigative, analytical and creative skills to produce their graphical solutions.

While, initially, each activity will be teacher led to ensure all pupils have gained a basic understanding of the fundamental skills the pupils will have opportunities to develop collaborative skills by working and interacting with others during some tasks.

ASSESSMENT AND EVIDENCE OF LEARNING

This will be based on the CFE level 3 & 4 technologies outcomes and experiences. Their progress in numeracy, literacy and ICT will be judged through observation, peer assessment and some formative assessments. Their progress in creativity, numeracy, literacy and ICT will be judged through observation, peer assessment and some formative assessments. Successful completion of this course will achieve an award of recognition from the SQA

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 Graphic Communication > Higher Graphic Communication.

Pupils who display a high ability in S3 may have the potential to do the Higher earlier in S4.

DEPARTMENT: DESIGN & TECHNOLOGY

COURSE TITLE: Practical Woodwork

OUTLINE OF COURSE

This course will allow the pupils to develop their practical skills gained in S1/2. Participating in this course will improve the knowledge, understanding and practical experience of pupils whose aspirations and abilities are towards practical work, or who are considering a vocational career. Pupils will learn how to make a range of basic joints used in joinery and how to set up and use a range of common machine and power tools in accordance with safe working practice.

Due to the cost of materials, pupils will have to contribute **£25** towards the costs. This can be paid in full or by instalments of £5.

UNITS COVERED

1. Theory of Materials, Tools, and Workshop Safety

During the year pupils will have a booklet to complete demonstrating their knowledge of tools, processes and safe working practices. This should be completed as topics are completed throughout the year.

2. Bench Skills.

Pupils will produce a variety of projects such as a mug tree, an occasional table and a small adjustable mirror, wooden toy. These models will be constructed using a variety of hand tools. Emphasis will be placed on accuracy with pupils having to measure to $\pm 3\text{mm}$ to successfully complete the project.

3. Machine and Finishing Skills.

Pupils will be introduced to woodwork machines such as wood lathe, morticer etc and will have to use these safely as necessary. This may include pupils using their creativity to design a handle for a tool box which will be turned on a lathe.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

This course will provide pupils with opportunities for active learning in creative and work-related contexts. Pupils will continually develop and extend skills in using tools, equipment and materials involving the skills of collaboration and interacting with others. During each project they will develop literacy skills as they extract information from plans and drawings and numeracy skills measuring and marking out material accurately. **Approximately 20% of the course is theory and will involve the completion of workbooks.**

While all necessary safety instructions will be explained pupils will also improve on their decision making and evaluation skills as they risk assess their own progress. If they consistently fail to follow safe working practices they will no longer be able to participate in the practical elements of this course.

These are valuable skills for life, work and learning.

ASSESSMENT AND EVIDENCE OF LEARNING

This will be based on the CFE level 3 and 4 technologies outcomes and experiences. These relate to innovation, application of skills and exploration of the properties and functionality of materials and tools. Assessment will be focused on pupils demonstrating knowledge of tools and process, practical ability and safe workshop practices. This will be achieved through the manufacturing of projects and completing a number of small written tasks.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 Practical Woodworking

DEPARTMENT: DRAMA

COURSE TITLE: Creative Communicators

OUTLINE OF COURSE

Pupils will be involved in a variety of practical activities designed to encourage a creative approach to selecting and presenting information to an audience. Pupils will develop their thinking, personal, interpersonal and communication skills.

UNITS COVERED

Induction Unit – Key Skill 1- Teamwork - to help students get to know their classmates and build confidence working with this new group. **As part of this unit we will focus on key skills.**

Key Skill 2 - Voice – students will experiment with their voice to learn how people effectively communicate with others. At the end of the unit they will have the chance to write and star in a short radio play using guidance from the BBC or to record a short script for radio.

Key Skill 3 - Movement - students will develop stylised mime skills and create a comic presentation for the class. They will learn about the origins of mime and how these skills are used in the theatre today.

Stimulus Unit - students will have opportunities to create short dramas for a range of purposes. They will experiment with ideas and drama forms to create dramas that entertain, educate others or explore issues. Topics will be negotiated with the class or with small groups of students.

Performance and Theatre Arts Unit – pupils will explore a short script extract. They will learn how to analyse a script for performance. They will take responsibility for a theatre arts area and have responsibility for creating and organizing the items and effects required for their chosen area. Pupils will work as part of a production team to realise their ideas and meet deadlines for their performance work.

Show Unit - pupils will work with their class to devise and script a short performance for an agreed audience within school or the local community. Students will have the opportunity to link this to one of the national charity events like Children in Need, Comic Relief or Sport Relief.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

In all our practical activities pupils are **working as a team**. They have to be able to **communicate** with others by offering **creative** ideas, **planning** work individually or in a group and adhere to **group decisions**. They often have to **research** time periods or texts to be able to give an informed performance and if they work as a sound technician they have to **research** the music for a certain time. They have **individual responsibility** for marking cues on the script and operating equipment or learning lines to play their part in the performance. They have to **organise** their time and meet the deadline for their performance. They watch others' work **respectfully** and **reflect and evaluate** their own and others' work by offering constructive comments or suggestions.

ASSESSMENT AND EVIDENCE OF LEARNING

This will be based on the CfE level 3 & 4 Expressive Arts outcomes and experiences for drama. Assessment will be focused on creating, presenting and evaluating. Throughout each unit there will be opportunities for pupils to assess, evaluate and set targets for their own work. Staff and pupils will record progress.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4>National 5 >Higher

DEPARTMENT: HOME ECONOMICS

COURSE TITLE: Food Studies

OUTLINE OF COURSE

The Food Technology course continues to build on the BGE curriculum organisers working towards a level that feeds directly into the courses delivered in the Senior Phase. Students will be exploring food safety risks, applying this knowledge and understanding when carrying out practical tasks whilst completing the SQA Food Hygiene for the Hospitality Industry Award at an appropriate level.

During the course of the academic year, students will be improving their knowledge and understanding of factors affecting food choice and the impact choice can have on health. They will look at the benefits of a balanced diet in relation to health and current dietary advice. Using their knowledge students will be required to adapt, prepare and cook recipes to demonstrate their understanding of the theory. This area of work feeds into the SQA unit of work Healthy Eating, which they will complete at an appropriate level. Through completing practical tasks, students will develop better understanding of the properties of ingredients; improve practical skills and techniques and make dishes using different cookery processes which lends itself well for the work required in Hospitality – Practical Cookery in the Senior Phase.

Cost - £35.00 per academic year.

Students will need to come prepared with an apron and food container labelled with their name and class for practical lessons.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Students will have the opportunity to develop a range of skills including practical skills, techniques and processes that will enable them to improve in confidence and allow them to develop their own solutions to design briefs and scenarios relating to health issues. Additional skills will include organisational and time management, problem-solving, decision making, evaluative and analysing skills, creativity, teamwork and resilience.

Experiences will be delivered in a variety of ways and will include individual participation as well as team work to create and produce a range of dishes to a marketable standard.

ASSESSMENT AND EVIDENCE OF LEARNING

Practical checklists for skills/techniques and cookery processes demonstrated.
Food Hygiene for the Hospitality Industry – written and practical assessment.
Healthy Eating unit of work – written and practical evidence.
Photographic evidence.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Nat 4/5 Practical Cookery
Developing the Young Workforce Home Economics Choices

DEPARTMENT: HOME ECONOMICS

COURSE TITLE: Fashion and Textiles

OUTLINE OF COURSE

This practical course is supported with theory input to provide some basic learning that feeds directly into the Senior Phase Fashion and Textile course. It aims to provide the development of skills, techniques and processes for fashion and textile construction. The aims of the course are to enable learners to develop:

- Practical skills and textile construction techniques when making straightforward fashion/textile items.
- Confidence when using the various tools and pieces of equipment so they operate them safely allowing accuracy to be achieved.
- Knowledge and understanding of textiles and their characteristics.
- Knowledge and understanding of a range of factors that influence fashion/textile choices.
- Basic investigation techniques and evaluation skills.

Course content will allow students the opportunity to develop the basic skills and techniques required when making textile items through the completion of samples prior to going onto making textile items; some design briefs will require them to upcycle fabrics.

This course is for anyone with an interest in fashion, construction of fabric items in particular those who may be considering this as a possible subject choice in S4 or going into this line of study or employment when leaving school.

There will be a small charge for materials of £5.

Students will be expected to purchase their own fabric for larger fabric items or bring in their own textiles to upcycle from home.

UNITS COVERED

Safe effective use of textile equipment
Production of sample pieces
Origins of fibres and Properties of fabrics
Making of items using a paper pattern.
Evaluation of product.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

The course is mainly practical and will involve you in learning the practical skills and techniques required to plan, design and make simple textile items.

Students will be required to become competent and confident in using the sewing machine and other textile related pieces of equipment being able to demonstrate the safe use of these when making their textile items.

Students will learn how to develop 3D products from textiles using paper patterns.

Students will work towards being able to design and produce fashion/ textile items using a variety of processes and techniques more independently.

ASSESSMENT AND EVIDENCE OF LEARNING

Sample work evidence.
Written evaluations of work completed.
Completed practical work.
Written assessment.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Nat 4/5 Fashion and Textiles

DEPARTMENT: MUSIC

COURSE TITLE: Music

OUTLINE OF COURSE

This course will allow pupils to develop performance skills on their chosen musical instrument(s) and gives them the opportunity to create their own music. They will also study a range of styles and genres to build knowledge and understanding of musical concepts and musical literacy.

The skills learned in this course will prepare the pupil for continuing with Music into S4 at N4 or N5 level.

UNITS COVERED

- PERFORMING:-** Pupils will focus on developing the skills of their two chosen instruments through playing music of their own choice as well as experiencing different styles of music. This will be done in both solo and group settings. Part of developing performance skills is also being able to reflect on their own performance and that of others.
- CREATING:-** Pupils will develop creating skills using a range of techniques through improvising, arranging and composing their own music. This will be done in both solo and group settings and with an introduction to composing using technology.
- UNDERSTANDING:-** Pupils will develop knowledge and understanding about a variety of musical concepts covering a wide range of genres. They will also develop basic musical literacy knowledge.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

- Pupils will be able to evaluate their own work, identifying areas for improvement.
- Pupils will work independently and take responsibility for their own practise by setting realistic targets and developing focus during structured practise time. They will also understand consequences of underachieving in assessments and class work.
- Pupils will work in groups to develop music making skills working with others.
- Pupils will learn to play pieces of an appropriate level to develop skills and challenge.
- Pupils will have the opportunity to choose some of their own pieces.
- Pupils will perform regularly to others in order to build confidence and develop their understanding of the importance of being part of an audience.

ASSESSMENT AND EVIDENCE OF LEARNING

- Performing – Performances to others will be assessed on musical accuracy, fluency and style. Video or audio evidence will be kept.
- Creating – Composition will be assessed according to relevant success criteria. Written score and audio recording evidence will also be kept.
- Understanding – Listening assessments of musical styles and pupil presentations to demonstrate knowledge and understanding of units covered.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 Music > Higher Music > Advanced Higher Music

DEPARTMENT: PHYSICAL EDUCATION

COURSE TITLE: Leadership Through Physical Education

OUTLINE OF COURSE

This is a 4 unit course which is aimed at pupils who want to progress on to National Physical Education course or Sport and Recreation course at some point in S4/5/6. This will appeal to pupils who want to embark on a career pathway that involves Leadership, Sports Development or the Leisure Industry. As such, it demands a focused approach to learning within both a practical and theoretical setting. Units will be supplemented by regular, meaningful homework tasks. The experiences will ultimately be challenging but enjoyable.

UNITS COVERED

1. Coaching Unit (Outdoor Games)

An introduction to peer coaching. Pupils will develop the essential communication and organisational skills to confidently deliver short warm up episodes to their peers. They will then progress on to the planning and delivery of a skills based lesson involving coordinated practices to a group of pupils. They will have the choice of a range of outdoor games to help deliver their peer coaching sessions.

2. Umpiring Skills (Basketball)

Basketball will be used as a vehicle for introducing pupils to the wide range of skills required to become a competent sports umpire/referee. The focus will be centred upon developing pupils' personal qualities such as confidence, verbal communication, decision making, taking responsibility and displaying applied knowledge of a game. This unit will also aim to foster mutual respect amongst the peer group and a sense of self discipline.

3. Planning and Monitoring Personal Fitness (Swimming and Fitness Suite Training)

Pupils are required to use the **swimming pool** for part of this unit and will be **expected to participate in all aspects of practical work**. This unit will introduce the key concepts surrounding the processes of planning, monitoring and evaluation of personal fitness. A variety of fitness training methods will be used to expose pupils to the benefits of maintaining a healthy lifestyle in and beyond Forres Academy. They will be required to measure fitness levels, set goals, select appropriate training practices, record results and reflect upon their progress.

4. Factors Impacting Performance In Sport (Activities are at the discretion of Staff)

This unit will also give pupils an introduction to the key analytical skills required for future certificated Physical Education at National 4/5 and Higher level. Pupils will collect and analyse performance data, consider their strengths and development needs, and plan for future improvement in their performance.

COURSE TITLE: Leadership Through Physical Education - continued

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

The course will further promote the development of the CFE level 3 and 4 outcomes and experiences of the pupils' health and wellbeing. Particular emphasis will be placed upon the mental, emotional, social and physical factors associated with physical education and leadership. By the end of this course, pupils should have developed skills and qualities for learning, life and work including:

- The confidence and ability to embrace challenge
- Demonstrating clear and expressive communication skills when engaging with others
- Working individually and as part of a team to solve problems
- Fostering high levels of self-respect, resilience and leadership
- Learning to assess and manage risk in coaching environments
- Developing respect and tolerance for others through working cooperatively

ASSESSMENT AND EVIDENCE OF LEARNING

Some brief examples include:

- Leadership unit – Lesson Plans and Coaching Report
- Umpiring unit – Match officiating report and practically refereeing games.
- Planning and monitoring personal fitness – data collection sheets and evidence of strengths and weaknesses within own performance. Completed basic training programme designed around one aspect of fitness identified as an area for development.
- Factors Impacting Performance In Sport – Analysis of Mental, Emotional, Social and Physical and the features of each of these across a range of sporting contexts.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

- National 4/5/6 Physical Education courses
- National 4/5 Sport and Recreation courses

DEPARTMENT: RMPS

COURSE TITLE: The Meaning of Life

OUTLINE OF COURSE

The Meaning of Life course covers aspects of Philosophy, Psychology and Religion. We think about what it means to be human in the context of the following questions.

Why do human beings behave the way they do?

How important is non-verbal communication?

Is there life after death?

What is philosophy?

Contemporary moral issues.

UNITS COVERED

1. **Human Behaviour.** This unit looks at why human beings behave in the way they do. The unit also covers non-verbal communication.
2. **Philosophy.** – the love of wisdom. **Philosophy** is a way of thinking about the world, the universe, and society. It works by asking very basic questions about the nature of human thought, the nature of the universe, and the connections between them. This unit will give you an introduction to philosophy and look at some philosophical questions.
3. **Morality & Belief –** In this unit you will study a contemporary moral issue, such as abortion, cloning, genetic engineering. Or the morality around global environmental issues such as global warming, depletion of resources.
4. **Life after death:** Do you believe in reincarnation? Do Ghosts exist? Can Mediums really contact the spirits? What do religious and non-religious people believe about life after death? In this unit you will have the opportunity to investigate these questions and through watching evidence and class discussions analyse evidence and form your own opinion on the topic.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will work together and share ideas in groups. The course will be delivered through a range of different teaching and learning approaches including analysis and exploration of films, music, You Tube clips, the written word and involvement in discussion.

Pupils will extend the skills gained in core RME and also focus on developing the following abilities:

- Researching and using information to present their findings about aspects of human behaviour
- Describing and commenting on aspects of human behaviour
- Expressing views on aspects of human behaviour
- Describing different theories of human behaviour
- Understanding and explaining factual knowledge about aspects of human behaviour

ASSESSMENT AND EVIDENCE OF LEARNING

Assessments will be a combination of written and oral tasks. They will focus on Curriculum for Excellence Levels 3 and 4 Experiences and Outcomes as well as the skills listed above. There will be an assessment for each of the units listed above.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

National 4/5 RMPS in S.4. Nat 5 and Higher in Philosophy, Psychology and RMPS in 5th and 6th year.

DEPARTMENT: SCIENCE

COURSE TITLE: Biology

OUTLINE OF COURSE

This course aims to allow pupils to develop a practical awareness of the environment and living organisms within it. Pupils will improve their understanding of Biology within three units. Across all areas, pupils will also have the opportunity to develop the skills required to plan and carry out scientific experiments along with the research skills required to collect and present information on a biological topic. This will enable pupils to develop a scientific way of thinking which will prepare them well in a wide range of industries and careers.

UNITS COVERED

Life on Earth

This unit focuses on our environment, starting off by looking at different regions of our planet. Much of the learning will take place outside the classroom, examining and measuring both living and non-living parts of our surroundings. Pupils will investigate the problems which occur as a result of our human population increasing and carry out experiments to understand how to produce enough food for everyone. Pupils will also research what can be done to prevent these problems, including conservation of endangered species. The topic will finish off by looking at the different ways organisms have evolved over millions of years.

Cell Biology

This unit studies the building blocks of all forms of life – cells. It looks at the processes which keep all organisms alive and investigates the role of DNA alongside inherited diseases. Pupils will carry out various experiments to examine how organisms can be useful to us in different industries. Pupils will have opportunities to debate hot topics such as stem cells.

Multicellular Organisms

This unit studies reproduction in different forms of life including animals, plants and micro organisms. This will lead on to looking at growth and development where pupils will compare and contrast the life cycles of different organisms. Within the next section of inheritance, pupils will examine how features are passed down from parents to their offspring. The final part of the topic studies how our bodies control factors such as temperature and sugar levels, finishing off with a research project on diabetes.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

During the course, pupils will be supported to design and carry out a range of experiments. This will allow them to collect and discuss results, helping to improve their calculations and analysis skills. Pupils will be expected to work in groups for many experiments and therefore will get the opportunity to develop team work skills. They will be involved in various debates and get the opportunity to develop and share your opinions on many different biology related topics. Pupils will also carry out a research project in each unit which will help them to develop the skills required to collect, process and present information.

ASSESSMENT AND EVIDENCE OF LEARNING

Evidence of pupil progress will be judged on a combination of knowledge and skills designed to prepare them for the demands of National 3-5 in S4. Assessments will take the form of a combination of self-assessment, peer assessment and teacher assessment. During practical experiments in class, skills will be assessed from the pupils' ability to carry out and write up experiments. During research projects, skills will be assessed on a compulsory presentation / report produced. Each unit will finish with a formal end of unit test which will assess both knowledge and problem solving skills.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

N4/5 Biology > Higher Biology, human Biology > AH Biology

It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress to in the senior phase.

DEPARTMENT: SCIENCE

COURSE TITLE: Chemistry for the Future

OUTLINE OF COURSE

This course is for pupils who enjoy practical chemistry in an everyday context and would like to develop the skills and understanding to become well informed about many of the issues facing the world today and in the future.

There are 3 units through which the course develops basic chemical skills such as writing chemical formulae, equations and naming and identifying chemicals as well as a simple insight into atomic structure. It provides progression from the S1/2 course and develops analytical, practical and creative skills.

UNITS COVERED

THE OIL ECONOMY This unit covers the role of oil in our society as a source of many carbon compounds such as fuels and plastics. Pupils will build, name and draw a range of simple carbon compounds including alkanes, alkenes and plastics. The advantages and disadvantages of our use of carbon based fuels will be investigated and alternatives to oil such as biofuels will be manufactured and their advantages and disadvantages evaluated. Pupils will make plastics from natural sources such as potatoes.

FEED THE WORLD Pupils will investigate the natural cycles that provide plants with their nutrients and the effect of farming on this process. They will further develop their skills in writing chemical formulae and apply this to the design and manufacture of fertilisers. They will compare and contrast organic and traditional methods of farming in terms of fertilisers and pest control. Strategies used to preserve food and minimise spoilage, including smart packaging, will be investigated.

MATERIAL WORLD Pupils will study atomic structure and how this affects the behaviour of elements when they combine to form compounds. They will apply this knowledge to the energy changes and chemical reactions taking in place inside batteries and apply their knowledge to the study of detergents, cosmetics, alcohol and the chemistry of colour. Pupils can investigate new materials in any area of their choice such as touch screens, new materials used in sport, art, fashion, cosmetics etc.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Skills for Learning, Life and Work are core to the course and pupils are asked to identify which skills they are developing and how they are progressing. Higher Order Thinking Skills such as understanding, applying, analysing, evaluating and creating are embedded into the course and identified to pupils.

ASSESSMENT AND EVIDENCE OF LEARNING

In addition to a wide range of self assessment and peer assessment strategies, pupils use a tracking and monitoring sheet that allows staff and pupils to identify progression and areas for development. In addition there are regular homework exercises and unit tests.

At the end of S3 a Level 5 unit entitled "*fundamental chemistry*" will be offered. Should the pupil achieve 60% or more of the available marks then they will be awarded the unit on their SQA certificate. This unit carries SCQF points equivalent to a National 5 unit and is a great addition to a CV.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

N4/5 Chemistry > Higher Chemistry > AH Chemistry

It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress to in the senior phase.

DEPARTMENT: SCIENCE

COURSE TITLE: Physics

OUTLINE OF COURSE

What is light, and why is the sky blue? What is a black hole and how could I see one? How do mobile phones, LED TVs and lasers work? Do I really want to have a bionic arm?

Continuing from the topics studied in S1 and S2 the student will be introduced to some of the fundamental laws that underlie the whole of science, and apply these laws in range of everyday situations. Physics has shaped modern technology and it will shape our technology driven future.

Students don't have to be destined to become a professional physicist. Physics qualifications are relevant to a wide range of careers such as the armed forces, engineering, medicine, work in the oil and gas sector, renewable technologies, communications and teaching. The numerical and analytical thinking skills developed can also be applied to many other occupations. Of course we do also need professional physicists to help answer some of the big questions that remain, such as "what is the universe made of and what is its fate going to be?"

UNITS COVERED

- **Speed** – We start by looking at how different measurements of speed are made and calculated alongside designing and launching air powered rockets. We then take a look at how forces affect the objects about us.
- **Space** – We see how our knowledge of the Solar System and the Universe about us has evolved over time, we learn about lenses and telescopes, how to use the electromagnetic spectrum to scan the skies and deep space. Some basic astronomy is involved, such as learning to use a skymap and how to use photo software to draw information from astronomical photos. Every year we find more and more **Exoplanets** – planets around other stars – we consider how they can be found, and what sort of conditions must exist on them to support life.
- **Electricity and electronics** – There will be an introduction to different types of electrical circuit and electrical components. How electrical energy is transferred, magnets and the uses of electromagnets are also looked at. Electronics builds on knowledge gained from the electricity unit we will look at the design and use of electronic systems, including a section on building circuits using LEDs.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

With the focus being on hands on experiences and experimentation studying physics in S3 will teach the pupil the ability to state and solve problems, to think clearly and logically and to communicate complex ideas. We also consider the effects of our knowledge and technology on society.

The pupil will develop strong literacy and numeracy skills. They will be taught how to accurately explain observations using an increased scientific vocabulary, how to write a scientific report, draw graphs and manipulate formulas. The opportunity will also exist to learn IT skills such as graphing with Excel. Virtually all skills development in Physics is also of use in other subjects, notably the Sciences and Maths.

ASSESSMENT AND EVIDENCE OF LEARNING

Throughout the year, pupils will develop skills of investigation through completion of experiments and subsequent report write ups which will prepare them for Outcome 1 reports in S4. Pupils will also develop skills completing larger research projects which will prepare them to complete assignments / AV units in S4. Each unit will be finished with an end of unit assessment to judge both knowledge and problem solving skills. Pupils are encouraged to reflect on their progress through completion of learning logs throughout the course.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

N4/5 Physics > Higher Physics > AH Physics

It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress to in the senior phase.

DEPARTMENT: SCIENCE

COURSE TITLE: Applied Science

OUTLINE OF COURSE

The purpose of the course is to develop learners' curiosity, interest and enthusiasm for science in a range of contexts. The key skills of scientific inquiry and investigation are integrated and developed throughout the Course. The relevance of science is highlighted by the study of the applications of science in everyday contexts. This will enable learners to become scientifically literate citizens, able to review the science-based claims, which they will meet.

UNITS COVERED

FRAGILE EARTH: In this Unit, learners will develop their scientific skills and carry out practical and other learning activities related to the investigation of earth's resources. Learners will focus on two topics from the following four: ♦ energy ♦ metal ♦ water ♦ food .

They will investigate these resources through activities related to their source, origin, production and/or extraction. Uses and benefits will be explored. Conflicts and also possible local or national, solutions will be identified. Learners will gain knowledge of how science is involved in environmental issues.

HUMAN HEALTH: In this Unit, learners will develop an understanding of factors which contribute to a healthy lifestyle, through a personal, community based and global approach. Learners cover procedures to measure physical fitness, investigate mental/social health issues and research media reports of national/international health areas.

APPLICATIONS OF SCIENCE: In this Unit, learners will explore science's contribution to communication technologies and the impact that these have had on society/environment. They will also research the production and use of new materials and how science helps the understanding of risk and how it can be reduced in modern life.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

A wide range of learning and teaching strategies are used with classes, such as developing critical thinking skills, direct teaching, outdoor learning, paired and/or group work. Classwork will be supported through the use of notes, ICT and other digital media. Practical experiences will be used to illustrate concepts and develop skills. Pupils will be involved in evaluating their own and others' progress. Pupils are expected to take responsibility for their own learning.

ASSESSMENT AND EVIDENCE OF LEARNING

Knowledge and skills will be assessed in different ways depending on the topic being studied. This will include experimental and investigation work, project work, classroom tests, and assessed work/homework. Pupils will undertake peer evaluation of classwork and use assessments to set achievable short-term targets.

Homework will be set by the class teacher on a regular basis and may involve practice of skills, preparation for assessments or research assignments.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

This course provides a stepping stone into N4 discrete science courses in S4 or a L5 NPA in Applied Science.

It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress to in the senior phase.

DEPARTMENT: SOCIAL STUDIES

COURSE TITLE: Geography

OUTLINE OF COURSE

The central aim of the course is to develop an understanding of the influence on societies of both Human and Physical geography. Looking at the role of population, settlements, industry and physical landscapes. The course will allow pupils to focus on the development of life skills such as: time management, independent and collaborative working, decision making, communication, literacy and numeracy.

On top of this, specific social study skills will include evaluation, comparing and contrasting, analysis, investigation, critical thinking, map work and arguing a case with valid evidence.

We hope to foster a sense of identity, respect for others, knowledge and respect for cultural diversity, increased geographical literacy, environmental awareness, responsible social values and an increased economic awareness.

UNITS COVERED

1. Geographical Skills - An introductory unit that will develop pupil's spatial knowledge and wider understanding of the world. They will learn how to find and extract information from a variety of Geographic sources.
2. Rivers - A physical geography unit focusing on developing pupil knowledge of processes of erosion and deposition and how they shape our planet. Pupils will also learn about human connections to the physical world and how we interact with rivers in both a positive and negative way.
3. Development – This will focus on human inequalities and the different challenges people face in India. We will look at population, disease, migration and shanty towns. There will be a strong focus on the causes, impacts and solutions to these issues.
4. Hazards - Will allow pupils to investigate and develop understanding of natural disasters and the causes of volcanic eruptions, earthquakes and tropical storms. Pupils will have opportunities to further develop their understanding of the relationships that exist between humans and the planet
5. Weather + Climate Change - Will introduce current global issues to pupils focusing on their roles as global citizens. Pupils will investigate how current problems may impact the future of the world they live in.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will be encouraged to review their own learning at numerous stages of the course and to put their learning into context. The Social Subjects Department prides itself in promoting active learning involving, individual, paired and team work. There will be ample opportunity for peer, parental and self-assessment as pupils build up a portfolio, based on a documentary of 'geographical snapshots' which parents will have access to throughout the year (on GLOW deleted). Lessons are well planned with aims that are challenging but achievable, pupils are given the confidence to use the skills learned in debate, discussion, presentation and in formal extended writing. We will allow pupils to make connections and apply skills in different situations.

ASSESSMENT AND EVIDENCE OF LEARNING

Assessment in S3 Geography takes many forms. The department works on a Rich Assessment plan that assesses skills as opposed to knowledge. We assess pupils in a variety of ways, whilst always encouraging reflection. Pupils will be assessed on their literacy through reports, their presentation abilities, representing geographic information as well as the planning and undertaking of fieldwork. Pupils will build on skills and frames used in our S1/S2 Social Studies course and lay the foundation for progression in all Social Subjects as well as other curricular areas.

All pupils work is held in a portfolio, both electronically and on paper which pupils will bring home from time to time to review with parents.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Progression from S3 Geography leads through National 4 or 5, then Higher and finally Advanced Higher Geography. Other Social Subjects provide an excellent choice for pupils who may wish to add to their study of geography or to choose another path. It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress into during the senior phase.

DEPARTMENT: SOCIAL STUDIES

COURSE TITLE: History

OUTLINE OF COURSE

The central aim of the course is to develop an understanding of the importance of the fight for freedoms and rights through History as well as to make a connection to the world today.

The course will allow pupils to focus on the development of life skills such as: time management, independent and collaborative working, decision making, communication, literacy and numeracy.

On top of this, specific social study skills will include, evaluation, comparing and contrasting, analysis, investigation, critical thinking, arguing a case with valid evidence.

We hope to foster a sense of identity, respect for others, knowledge and respect for cultural diversity, increased political literacy, environmental awareness, responsible social values and an increased economic awareness.

UNITS COVERED

1 Slavery in the Modern World

An introductory unit will look at the issue of slavery in the Modern World and how it affects different communities across the world.

2 Slavery in Ancient Rome

Pupils will study the growth and influence of the Roman Empire, looking at the technological advances made and the peoples enslaved. Slavery in Rome will be the main theme as we will study its impact on the development of the Empire and how slaves were treated throughout. The course will also look at slave revolts and the way in which this was dealt with.

3 Slavery and Freedom

Pupils will study the organisation and nature of the transatlantic slave trade: its effects on Britain, the economics and conditions of the 'Middle Passage', origins and arguments of the abolitionist and defenders of the trade. The course will also look at the abolition of the trade and its consequences throughout the world. We will also look how people in the USA campaigned and achieved equal rights.

4 Scotland and Slavery

The course will allow pupils to compare freedom and rights issues in Scotland over the course of our history and work in groups to compare and contrast these issues and the cultures that produced them.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will be encouraged to review their own learning at numerous stages of the course and to put their learning into context. The Social Subjects department prides itself in promoting Active Learning involving, individual, paired and team work. There will be ample opportunity for peer, parental and self-assessment as pupils build up a portfolio, based on a documentary of 'history snapshots' which parents will have access to throughout the year. Lessons are well planned with aims that are challenging but achievable, pupils are given the confidence to use the skills learned in analysis, evaluation, discussion, presentation and in formal extended writing. We will allow pupils to make connections and apply skills in different situations.

ASSESSMENT AND EVIDENCE OF LEARNING

Assessment in S3 History takes many forms. The department works on a Rich Assessment plan that assesses skills as opposed to knowledge. We assess evaluation through the use of primary sources, presentation through individual projects and analysis through discursive work. On top of this we assess with literacy skills which build on skills and frames used in our S1/S2 Social Studies course and lay the foundation for progression in all Social Subjects as well as other curricular areas.

All pupils work is held in a portfolio, both electronically and on paper which pupils will bring home from time to time to review with parents.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Progression from S3 History leads through National 4 or 5, then Higher and finally Advanced Higher History. Other Social Subjects provide an excellent choice for pupils who may wish to add to their study of History or to choose another path. It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress into during the senior phase.

DEPARTMENT: SOCIAL STUDIES

COURSE TITLE: Modern Studies

OUTLINE OF COURSE

The central aim of the course is to develop an understanding of the importance of the fight for freedoms and Inequalities in the Modern world using 3 societies and cultures – the USA, the UK and China.

The course will allow pupils to focus on the development of life skills such as: time management, independent and collaborative working, decision making, communication, literacy and numeracy.

On top of this, specific social study skills will include evaluation, comparing and contrasting, analysis, investigation, critical thinking and arguing a case with valid evidence.

We hope to foster a sense of identity, respect for others, knowledge and respect for cultural diversity, increased political literacy, environmental awareness, responsible social values and an increased economic awareness.

UNITS COVERED

1 The USA

The part of the course will look at the USA today and events that have shaped it by studying the following:

History, ideology and politics, inequalities and human rights, economic position on a global level and power and influence across societies.

2 China

The part of the course will look at China today and events that have shaped it by studying the following:

History, ideology and politics, inequalities and human rights, economic position on a global level and power and influence across societies.

3 The Perfect Society

Throughout the 3 units of work Pupils will complete a portfolio on each of the countries – containing information on each of the main themes. They will use various mediums such as producing documentaries, songs, newspapers and decision making exercises in order to produce a bank of materials. This will allow them to have a clear understanding of each of the three countries.

Pupils will then work as a whole class to create an 'ideal' country – building a constitution, national identity, ideology, culture and political viewpoint amongst other factors. This will be based on the most favourable aspects of the great powers they have studied. The unit will culminate in a whole year decision making day where pupils attend a 'multi-national' conference. This will involve pupils making decisions on different global situations, with reference to their own country, from humanitarian crisis to nuclear disaster. At the end of the conference pupils will celebrate their new identities by showcasing their 'own' culture, traditions, food and dance.

All pupils will play a key role building on the skills and knowledge they have ascertained throughout the unit.

PUPIL LEARNING EXPERIENCES AND SKILLS DEVELOPED

Pupils will be encouraged to review their own learning at numerous stages of the course and to put their learning into context. The Social Subjects department prides itself in promoting Active Learning involving, individual, paired and team work. There will be ample opportunity for peer, parental and self-assessment as pupils build up a portfolio, based on methodologies which allow the same learning environment for each part section of the 3 societies. This will allow pupils to build up a picture of how each society works and why, culminating with an assignment where the perfect society will be planned and key decisions debated. Lessons are well planned with aims that are challenging but achievable, pupils are given the confidence to use the skills learned in debate, discussion, presentation and in formal extended writing. We will allow pupils to make connections and apply skills in different situations.

ASSESSMENT AND EVIDENCE OF LEARNING

Assessment in S3 Modern Studies takes many forms. The department works on a Rich Assessment plan that assesses skills as opposed to knowledge. We assess evaluation through the use of a variety of sources, presentation through individual projects and debate using key issues that relate to the world we live in today. On top of this we assess with literacy skills which build on skills and frames used in our S1/S2 Social Studies course and lay the foundation for progression in all Social Subjects as well as other curricular areas.

All pupils work is held in a portfolio, both electronically and on paper which pupils will bring home from time to time to review with parents.

POSSIBLE PROGRESSION IN THE SENIOR PHASE

Progression from S3 Modern Studies leads through National 4 or 5, then Higher and finally Advanced Higher Modern Studies. Other Social Subjects provide an excellent choice for pupils who may wish to add to their study of Modern Studies or to choose another path. It is important for parents and pupils to be aware that work completed throughout S3 is used as an indication of which level a pupil would progress into during the senior phase.