

# Boroughmuir High School Subject Resources Information Booklet S3 and S4 Courses

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# Introduction:

This resource is for our learners, parents and carers to support individual home learning and also learning that occurs within the school day. Examples of these materials include *course outlines, topic benchmarks, class notes, teacher's slides and revision notes*.

It has been produced in 3 parts, each available separately, for:

S1/2 Courses	S3/4 Courses	S5/6 Courses	

For each subject, information is described in 4 sections as listed below.

Course information	Resources	
Home Study Materials	Assessment	

The majority of this information is stored online on Office 365. Each pupil in the school has their own username and password. The Office 365 log in page can be accessed via the *Useful Links* table on the front page of the <u>Boroughmuir High School Website</u>

Office 365 contains a suite of programmes which contain useful learning materials. These include SharePoint, OneNote and Teams.



# **Boroughmuir High School Subject Resources Summaries**

# S3 and S4 Courses



# Subject Sections \*some subject sections will follow in subsequent updates

Art and Design Biology **Business Management** Chemistry Computer Science (S3, S4 National 4 and National 5) Drama **Economics Engineering Science** English Geography **Graphic Communication** History **Mathematics** Media Modern Languages (French, German, Spanish and Mandarin) **Modern Studies** Music Personal and Social Education (PSE) Physical Education (PE) Physics Practical Woodworking Religious, Moral and Philosophical Studies (RMPS)

#### Subject Name: S3/4 Business Management

Course	Class Resources and	Home Study	Assessment
Information	Revision		
SQA National 4 Business	Classes provided with	Accessing their	End of topic tests
	paper class note	notebooks	
SQA National 5 Business	booklets for each topic		End of Unit Assessments
Management		Checklists available on	
	Online resources	onenote	S3 End of Year
	available in the class		Assessment (May)
	notebooks/Teams	SQA Past papers	
		available on SQA	S4 Prelim (Nov)
	Course Textbooks are	Website	
	not issued to pupils but		S4 Assignment (Jan –
	used in class		Mar)
	Leckie and Leckie		
	National 5 Business		
	Management Course Notes		
	NOLES		
	BrightRed N5 Business		
	Management Study		
	Guide		
	BBC Bitesize Website		

#### Subject Name: S3/4 Biology

Course	Class Resources and	Home Study	Assessments
Information	Revision		
This lists the Topics taught over S3/4: <u>National 5</u> <u>Biology Course</u> <u>Specification</u>	Revision         Course Textbooks are not issued to pupils but are used in class. The main textbook used is:         Torrance Nat 5 Biology         Textbook         And also         Leckie and Leckie Nat 5         Biology Textbook         Class materials are shared on Office 356 SharePoint         Revision Guides – are not provided but are strongly recommended. examples include:         Success Guide         How to Pass         Bright red         Websites:         Course notes and revision activities         BBC Bitesize	Home study materials vary from consolidation of class notes to problem solving/data handling tasks. SQA National 4 and 5 exemplar and past exam papers are found here: National 5 Biology past papers	End of Unit assessments S3 End of Year Assessment (May) S4 Prelim (Nov) S4 Coursework Task/Assignmen t (Nov/Dec)

Course Information	<b>Class Resources and Revision</b>	Home Study	Assessments
Topic outlines and	Class notes are provided to all	Home study materials	End of Topic multi-
Timelines are found	pupils.	are provided in each	choice tests
on SharePointt:		Unit:	
	Copies can he found here	Chemical Changes and	End of Unit
This lists of topics		Structure	assessments
covered in S3/4		Nature's Chemistry	
Chemistry are		Chemistry in Society	S3 End of Year
found on the	Course Textbooks are not		Assessment (May)
Course Specification	issued to pupils but are used in		
documents on the	class. The main textbook used	Exam Questions	S4 Prelim (Nov)
SQA website:	is:	booklets are provided	
CFE Level 4	Leckie and Leckie National 5	and are also available	S4 Coursework
SQA National 4 and	Chemistry Student Books	here.	Task/Assignment
SQA National 5		Chemical Changes and	(Jan/Feb)
Chemistry	Class materials and questions	Structure	
	are shared on Office 356 Teams	Nature's Chemistry	
		Chemistry in Society	
	Revision Guides – are not		
	provided but are strongly	The <u>SCHOLAR</u> website	
	recommended example	has excellent	
	include:	interactive resources.	
	Success Guide	The login is your child's	
	How to Pass	candidate number and	
	Brightred	a 7 character password	
		is provided.	
	Websites:		
	Course notes and revision	SQA National 4 and 5	
	activities <u>Chemweb</u> (username	exemplar and past	
	= borughmuir	exam papers are found	
	password = butane)	here:	
	BBC Bitesize	SQA Past Papers	
	Revision Notes are available		
	Study Support is available at		
	lunchtimes (Mon-Thurs) all		
	year		

Subject Name: S3/4 Chemistry (National 3/4/5)

#### Subject Name: Computing Science (S3)

Course C	Class Resources and	Home Study	Assessment
Information F	Revision		
The S3 course content covers:ACFE Level 4 experiences and outcomesASQA National 4 knowledge and skillsASQA National 5 knowledge and skillsAThe units of study in S3 consist of:TWeb Design and Development (WDD)FIntroduction to Python Programming (SDD)NComputer SystemsA	Revision All classes have a OneNote class notebook. This can be accessed via Office365. http://office365.edin.org All teaching and learning materials can be found in the class notebook. This includes, course notes, revision notes, written tasks, and practical tasks. Each class also has a Microsoft Team. This allows communication with peers and teacher. Homework tasks and assessment deadlines will be shared via teams.	Pupils should use their class notebook to revisit tasks and revise using class notes and revision material regularly. The revision guides listed in the National 5 grid would be helpful for S3 but are not essential.	Written mid unit and end of unit assessments for all units of study throughout S3 Practical end of unit assessments in multimedia, Web Design and Development and Introduction to Python Programming S3 End of Year Question Paper (May) S3 End of Year Practical Assignment consisting of a website and programming task (similar to National 5 SQA assignment)

## Subject Name: National 4 Computing Science

Course	Class Resources and	Home Study	Assessment
Information	Revision		
National 4			
<ul> <li>National 4 The course consists of 2 Units:- <ul> <li>Software Design and</li> <li>Development (SDD)</li> <li>Information Systems</li> <li>Design &amp;</li> <li>Development (ISDD)</li> </ul> </li> <li>Pupils will also <ul> <li>undertake an Added</li> <li>Value Unit. The added</li> <li>value unit will see pupils</li> <li>complete a practical</li> </ul></li></ul>	All classes have a OneNote class notebook. This can be accessed via Office365. <u>http://office365.edin.org</u> All teaching and learning materials can be found in the class notebook. This includes, course notes, revision notes, written tasks, practical tasks, past papers and	Pupils should use their class notebook to revisit tasks and revise using class notes and revision material. Revision Guides are not provided but are recommended. A useful textbook for this qualification is <b>Bright Red</b> – Study Guide – N4 Computing	Written and Practical end of unit assessments for both SDD and ISDD units in preparation for achieving final assessment standards SDD 4 out of 6 Assessment Standards must be achieved ISDD 4 out of 5 Assessment Standards
project to demonstrate the skills developed throughout the ISDD unit and SDD unit. It will therefore consist of a database task and programming task or a website task and programming task.	solutions. Each class also has a Microsoft Team. This allows communication with peers and teacher. Homework tasks and assessment deadlines will be shared via teams.	Science Further consolidation resources can be found at: BBC National 4 CS	To gain the full National 4 award pupils must also achieve a pass in the Added Value Unit which consolidates the practical skills and theory gained in the 2 units
Each unit consists of theory work and practical tasks. This will give pupils the knowledge and skills to prepare for the course assessments.	National 4 pupils are welcome to attend National 5 Supported Study times to work on their practical skills or consolidate knowledge. Classes are on Wednesday's after school. Drop ins are also		
This qualification is developed to follow the Course Specification which can be found here: <u>SQA - National 4</u>	provided on		

#### Subject Name: Computing Science (National 5)

Course	Class Resources and	Home Study	Assessment
Information	Revision	-	
National 5	All classes have a	Pupils should use their	Written mid unit and
The course is split into 4	OneNote class	class notebook to revisit	end of unit assessments
sections:-	notebook. This can be	tasks and revise using	for all sections detailed
	accessed via Office365.	class notes and revision	in Course Information.
<ul> <li>Computer Systems (CS)</li> </ul>	http://office365.edin.org	material regularly.	Practical end of unit
<ul> <li>Software Design and</li> </ul>	All teaching and learning	Revision Guides are not	assessments in
Development (SDD)	materials can be found	provided but are	Programming, Web and
<ul> <li>Database Design and</li> </ul>	in the class notebook.	strongly recommended.	Databases.
Development	This includes, course	Useful Textbooks	
(DBDD)	notes, revision notes,	include:	S4 Question Paper
<ul> <li>Web Design and</li> </ul>	written tasks, practical	Hodder Gibson	Prelim (November)
Development (WDD)	tasks, past papers and	How to Pass National 5	, , , , , , , , , , , , , , , , , , ,
Development (WDD)	solutions.	Computing Science:	Final SQA award
Each unit consists of		Second Edition	consists of:
theory work and	Practice practical	Bright Red – Study	<ul> <li>SQA Practical</li> </ul>
practical tasks. This will	assessments will be	Guide – Nat 5	Assignment worth 50
give pupils the	carried out throughout	Computing Science	marks (31%) .
knowledge and skills to	the month of	Leckie and Leckie –	
prepare for the course	January/February to	National 5 Computing	• SQA written exam (2
assessments.	prepare for the SQA	Science Success Guide	hours) worth 110
	Practical Assignment.		, marks (69%)
This qualification is	_	Please ensure latest	· · · ·
developed to follow the	Each class also has a	version of textbooks	SQA Practical
Course Specification	Microsoft Team. This	are used as structure of	Assignment is carried
which can be found	allows communication	course has changed.	out in February/March
here:	with peers and teacher.		over 9 periods in class.
SQA - National 5	Homework tasks and	Further consolidation	It is an open book
	assessment deadlines	resources can be found	assessment but carried
	will be shared via teams.	at:	out under exam
		Heriot Watt Scholar	conditions. It will
	Supported Study is	Programme	include a practical task
	provided for National 5	<u>Scholar</u>	involving a program,
	pupils on Tuesday and	(Pupils have a unique	relational database and
	Thursday lunchtimes as	username and	website.
	well as Wednesday's	password)	
	after school.	BBC Bitesize	
		BBC National 5 CS	
		SQA National 5	
		exemplar and past	
		exam papers are found	
		here:	
		SQA Past Papers	

#### Subject Name: S3/S4 – Drama

Course	Class	Home Study	Assessment
Information	Resources		
	and Revision		
	ALL	Home study is	End of unit
S3 (level 4) Drama is designed to broaden a pupil's	coursework	expected in the	evaluation
understanding of different forms of Drama, develop	and revision	form of folio	written tasks.
their Drama skills further and enhance confidence	resources	(design) work,	
and experience.	are available	line learning,	Teacher
	to pupils on	characterisation	observation.
National 4/5 Drama contains two main units of	our Teams	tasks, research	
work. Production Skills enhances the understanding	pages,	tasks and	Assessed
and experience of Theatre production areas and	accessed via	evaluation	presentations
design by applying skills practically to a script.	Office 365.	tasks.	
Drama Skills follows the Drama Process and has			Naturally
pupils develop devising and creative thinking skills			occurring
alongside their skills in performance.			evidence of
			learning
The National 5 course assessment is split, with 60%			throughout.
being a practical assessment and the other 40%			
being a written component.			Pupils collate
For the practical exams pupils can choose to			evidence of
specialise in Acting, Set Design, Props Design,			learning across
Costume Design, Make-up and hair, Lighting Design			individual unit
or Sound Design.			tasks through
			creation of unit
			folios.
			Externally
			examined (SQA)
			practical exams
			around March.

# Subject Name: S3/S4 – Geography

Course	Class Resources and Revision	Home Study	Assessment
Information			
S3/S4 N4/5 Geography	Class resources are shared through Teams. There is a Teams group for S3 and a Teams group	Homework tasks throughout S3 consist of reports, posters and past	Human, Global and Physical National 4 individual Outcome Assessments
S3 - Coastal Landscapes	for S4. Resources are also shared on Share Point.	paper questions including questions assessing their	throughout S3 and S4.
<ul> <li>Population and Development</li> <li>Urban Landscapes- Edinburgh and Mumbai</li> <li>Glacial Landscapes</li> </ul>	There are weekly revision sessions that last 45 minutes. On average, around 5-10 pupils come. Useful websites: <u>BBC Bitesize</u>	skills (interpreting maps and graphs). Pupils are expected to have prepared two bits of processed data and an accompanying write-up/report for	S3 End of Year Exam (this is the Human Outcomes for National 4 assessment). This is in April. S4 Prelim (November).
S4 - Rural land-use	S-cool Geography Pupil Materials	an Urban Fieldwork	S4 Assignment Task
<ul> <li>- Rural land-use and change in the UK and India</li> <li>- Weather</li> <li>- Prelim</li> <li>- Hazards- volcanos and earthquakes</li> <li>- Assignment</li> </ul>	<ol> <li>Useful Textbooks:</li> <li>BrightRED Study Guide Curriculum for Excellence N5 Geography</li> <li>Intermediate Geography- 2<sup>nd</sup> edition Calvin Clarke</li> <li>How to Pass National 5 Geography: Second</li> </ol>	Assignment that accounts for 20% of their total qualification. The exam paper is out of 80 and the assignment is out of 20. Pupils are expected	and write-up under examined conditions (January/February)
- Health- malaria, heart disease and AIDs <u>National 4</u> <u>National 5</u>	Edition Paperback – 29 Mar 2018 by <u>Bill</u> <u>Dick</u> (Author), <u>Sheena</u> <u>Williamson</u> (Contributor) 4. How to Pass National 5 Geography (How To pass - Standard Grade) Paperback by Bill Dick.	to take their jotters home regularly and read around their topics. They are expected to regularly consult their traffic light checklist for each topic so that they can self-evaluate their own progress. Traffic light checklists for S3 and S4 are available on Microsoft Teams.	

### Subject Name: **S3/4 Economics**

Course	Class Resources and	Home Study	Assessment
Information	Revision		
National 5 Economics	Classes provided with paper class note booklets for each topic	Accessing their notebooks Checklists available on	End of topic tests End of Unit Assessments
	Online resources available in the class notebooks/Teams	onenote SQA Past papers	S3 End of Year Assessment (May)
	Course Textbooks are not issued to pupils but used in class	available on SQA Website <u>Khan Academy</u>	S4 Prelim (Nov) S4 Assignment (Jan – Mar)
	Ed Excel International Economics GCSE Student Book	Economics Online Website	
		<u>Tutor2U Website</u> BBC News The Guardian	

#### Subject Name: S3/4 – English

Course	Class Resources and	Home Study	Assessment
Information	Revision		
Assignments are increasingly being set via Teams, which allows for speedier assessment and feedback and a	Class resources are regularly shared with pupils through class Teams pages, to which pupils have ready	Homework resources are regularly shared with pupils through class Teams pages, to which pupils have ready	S3 Formative assessment of N5 elements: Reading for Understanding, Analysis, Evaluation,
digital portfolio of work which can easily be accessed by pupils, parents and staff	access. S3-4 textbooks used	access. Use of Scholar revision activities is encouraged	critical essay, Scottish set text. First drafts of Folio pieces (1 x persuasive, 1 x personal
	Intermediate 2 Language Skills N5 RUAE	Bright Red publishing have a good 'digital learning zone' with free	reflective or creative) completed by end of S3.
	N5 Practice papers N5 Success Guide and past papers.	resources and activities for N5	S4 summative assessment of all exam elements of N5 in
	Resources for set text study are given to pupils, although some may prefer to buy their own copies of drama texts for full annotation	BBC Bitesize is also useful, as is <u>www.myetutor.tv</u> Twitter has increasingly useful resources when searched for such as	prelim, N4 assessment ongoing throughout year, with summative assessment of Reading during prelim.
		#N5HRUAE and #folio	

## Subject Name: S3/S4 – History

Course	Class Resources and Revision	Home Study	Assessment
Information			
S3/S4	Class resources will be shared	We encourage	End of Unit
	through SharePoint by individual	pupils to do up to	assessments
BGE: 1830-1930 – a	teachers as appropriate.	one hour per	
short introductory		week.	S3 End of Year
course – this is not	Text books are not given out to		Assessment (May)
assessed but is taught	students, but can be purchased	In addition, we	
in order to provide	via Blackwells or Amazon.	encourage weekly	S4 Prelim (Nov)
context for other	Students should discuss with class	revision, via re-	
assessed elements of	teacher the most appropriate	reading class work.	S4 Coursework
the course at National	resources.		Task/Assignment
4/5 level		Prior to	(Dec/January)
	Leckie and Leckie: National 4 &5,	examinations we	
National 4/5	History Course Notes (by M	also support and	
Courses/Units	Hughes, C Hume and H	encourage pupils	
	Robertson)	to practise exam	
Unit 1: The Atlantic		technique using	
Slave Trade		past papers from	
	Useful Websites: BBC Bitesize:	the SQA website.	
Unit 2: The Era of the	national 5 history		
Great War – 1910 –		We also	
1928	BBC Bitesize National 5 History	recommend	
		students utilise the	
Unit 3: Lenin and the		past papers	
Russian Revolution,	SQA Past papers: National 5 Level	available on the	
1894-1921	SQA National 5 Past Papers	SQA website –	
		these resources	
		are free.	

Course	<b>Class Resources and</b>	Home Study	Assessment
Information	Revision	-	
	RevisionPupils have a classwork jotter and a vocabulary jotter.Vocabulary will be issued in note form or as handouts and we are increasing the availability of electronic copies as well, with a view to adding these to Sharepoint, Teams etc.Texbooks: No textbooks are issued but are used in class. The main textbooks used are:-Studio Edexcel GCSE (French) Studio Edexcel GCSE (German) Listos 1 and 3 (for S3 Spanish) -	Home Study The main expectation we have is that pupils will continue to revise key vocabulary, grammatical structures and phrases at home on a regular basis. Little and often is key, so 10-15 minutes 3 or 4 times a week makes a huge difference to how much pupils remember. In addition, when preparing for speaking and writing assessments, regular revision is vitally important. As well as resources issued in school, pupils can use online resources such as www.linguascope.com (see teacher for login details), https://www.brightredpublishing.co.uk/ and duolingo.	End of topic assessments, usually focusing on 1 particular skill (reading, listening, speaking, writing or grammar) Informal assessments in class, such as vocabulary quizzes to check understanding. End of S3 Assessments (May) S4 Prelim (November) Final N5 Speaking Assessment (Jan/Feb of S4) N5 Assignment (Mar of S4) N4 assessments are ongoing
	(French) - Logo 4 and Edexcel GCSE (German) - Listos 1 and		Assessment (Jan/Feb of S4) N5 Assignment
	Spanish)		

#### Subject Name: Modern Languages (French/German/Spanish)

# Subject Name: S3/4 Mandarin

Course	Class Resources and	Home Study	Assessment
Information	Revision		
		Home Study The main expectation we have is that pupils will continue to revise key vocabulary, grammatical structures and phrases at home on a regular basis. Little and often is key, so 10-15 minutes 3 or 4 times a week makes a huge difference to how much pupils remember. In addition, when preparing for speaking and writing assessments, regular revision is vitally important. As well as resources issued in school, pupils can use online resources such as www.linguascope.com (see teacher for login details) www.quizlet.com (pupils are expected to have created their own account) Scholar www.scholar.hw.ac.uk National 5 resources for Mandarin are available on this website www.thechairmansbao.com This is an excellent website which supplies short reading materials with the option of listening to a recording of the text. Pupils should try materials at HSK level 1 to 3. www.hskreading.com Similar type website to	Assessment Informal assessments in class, such as vocabulary tests after each topic to check understanding. Pupils also have the opportunity to do short conversations with the language assistant, who provides feedback regarding progress on pupils' oral Chinese. End of S3 Assessments (May) S4 Prelim (November) Final N5 Speaking Assessment (Jan/Feb of S4) N5 Assignment (Mar of S4) N4 assessments are ongoing throughout S4 Naturally occurring evidence of learning throughout.
		www.hskreading.com	evidence of learning

		Growing up with Chinese series on <u>www.youtube.com</u> This a dated but well structured series for learners of Mandarin. The vocabulary is generally idiomatic and authentic. Language Learning with Netflix (LLN) - Google Chrome extension Using this plug in on Google chrome allows you watch Netflix series in two languages. There are now lots of Chinese language shows on Netflix!	
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## Subject Name: S3/S4 – Modern Studies

Course	<b>Class Resources and</b>	Home Study	Assessment
Information	Revision		
<ul> <li>S3/S4</li> <li>N4/5 Modern Studies</li> <li>Social Inequality in the UK</li> <li>Democracy in the UK</li> <li>World Power: USA</li> <li>National 4 National 5</li> </ul>	Class resources will be shared through Teams and Share point Useful Textbooks: Hodder Gibson 1. 'Social Issues in the UK' 2. 'Democracy in Scotland and the UK' 3. 'World Powers and International Issues' 4. How to Pass N5 Modern Studies Bright Red – Study Guide – Nat 5 Modern Studies Useful Websites: <u>BBC Bitesize</u>	Homework tasks will be provided throughout the year - research/source questions/past paper questions. Pupils should take responsibility to revise topics as they progress and ensure all notes are completed.	End of Unit assessments S3 End of Year Assessment (May) S4 Prelim (Nov) S4 Coursework Task/Assignment (Dec/Jan)

### Subject Name: S3/4 Music

Course Information	Class Resources and Revision	Home Study	Assessment
<ul> <li>National 4 and 5 Music has 3 course components - Performing (worth 50%), Composition and Literacy (worth 15%) and Listening (Written Paper worth 35%).</li> <li>We cover 8 Listening units covered in S3 and S4 <ol> <li>Vocal Music</li> <li>Instruments and How they are Used</li> <li>Baroque Music</li> <li>Classical Music</li> <li>Romantic Music</li> <li>Modern Music</li> <li>Modern Music</li> <li>Scottish &amp; World Music</li> </ol> </li> </ul>	Revision ALL coursework and revision resources are available to pupils on our NATIONAL 5 Music Teams, accessed via Office 365.	Revision for end of unit listening tests and regular practice on both instruments	End of Unit assessments at the end of each topic (Listening)

Subject Name: S3/4 Physics

Course Information	<b>Class Resources and Revision</b>	Home Study	Assessments
Topic outlines and Timelines are found here:		Homework's will be issued regularly.	End of Topic multi- choice tests
This lists the Topics taught over S3/4 covers: <u>CFE Level 4</u> <u>SQA National 4</u> and	Course Textbooks are not issued to pupils but are used in class. The main textbook used is: <u>National 5 Physics with</u> <u>Answers</u>	Class materials, Tutorial questions and Summary notes are shared on Office 356 Sharepoint and Teams	End of Unit assessments S3 End of Year Assessment (May)
<u>SQA National 5</u>	Class materials, Tutorial questions and Summary notes are shared on Office 356		S4 Prelim (Nov) S4 Coursework
	Sharepoint and Teams		Task/Assignment (Jan/Feb)
	Revision Guides – are not provided but are strongly recommended example include:		
	Bright Red Study Guide		
	BBC Bitesize		
	Revision Notes are available on Sharepoint ( Office 365)		
	Revision Classes and supported study take place on Tuesdays after school		