

Topics covered in KS3

The Priory Ruskin Academy



RUSKIN
A PRIORY ACADEMY

KS3 Learning Evening

Topics covered in KS3

Curriculum Support Guide

<u>Maths</u>	
<i>Topics or Sub-Topics to revise</i>	<i>Where to find the information to revise</i>
<u>Year 7</u> Term 1: Number and Integers Term 2: Algebraic Manipulation Term 3: Fractions, Decimals and Percentages Term 4: Averages Topic 5: Angles & Solving Equations Topic 6: Solving Equations & Area and Perimeter	Mr Johnston's You tube page http://www.youtube.com/channel/UC7V3O3F37NL78Zj1hmBVPyg BBC Bitesize http://www.bbc.co.uk/schools/gcsebitesize/maths/ My Maths http://www.mymaths.co.uk/
<u>Year 8</u> Term 1 Number and Integers Term 2: Algebraic Manipulation Term 3: Fractions, Decimals, Percentages & Probability Term 4: Solving Equations & Ratio Topic 5: Area, Perimeter & Surface area, Volume Topic 6: Angles & Pythagoras and Trigonometry	

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<u>English</u>	
<i>Topics or Sub-Topics to revise</i>	<i>Where to find the information to revise</i>
<u>Year 7</u> Term 1: War and Conflict Term 2: Myths and Legends Term 3: Sport <u>Year 8</u> Term 1 Gothic Term 2: Crime and Punishment Term 3: Travel Writing All topics will cover both reading and writing skills. Students will also undertake weekly skills lessons and will conduct weekly spelling tests. The aim of teaching in a thematic approach is to ensure that all topics are rich in stretching material and to enthuse through engaging, high quality texts.	Channel 4 Learning - An interactive website providing general support for English. http://www.channel4learning.com/support/websites/english.html# Education Quizzes - Contains quizzes for support writing in English http://www.educationquizzes.com/ks3/english/ English Online - English Language games to support learning. http://www.english-online.org.uk/games/gamezone2.htm Fun English Games- Contains videos, quizzes, games and worksheets to support learning http://www.funenglishgames.com/

<u>Science Year 7</u>	
<i>Topics or Sub-Topics to revise</i>	<i>Where to find the information to revise</i>
Year 7 Science Units The units are taught on a rotation during the year. Unit 1s will be completed by the end module 3, and Unit 2s will be completed by the end of the year. Biology Unit 1 Cells and organisation Nutrition and digestion Health Unit 2 Photosynthesis Relationships in an ecosystem Reproduction The skeletal and muscular systems Chemistry Unit 1 Recognising physical and chemical changes Chemical reactions	Doddle: www.doddlelearn.co.uk <u>Institution ID = The Priory Ruskin Academy</u> <u>Username = unique to the student and provided by the Science Dept</u> <u>Password = unique to the student and provided by the Science Dept</u> BBC Bitesize: http://www.bbc.co.uk/education/subjects/zng4d2p Andy Darvill's Science Site: http://www.darvill.clara.net/myon.htm

Topics covered in KS3

Unit 2

The particulate nature of matter
Energetics
Pure and impure substances

Physics

Unit 1

Describing motion
Forces and balanced forces
Forces and motion
Pressure in fluids

Unit 2

Sound waves
Energy and waves
Light waves

Science Year 8

<u>Science Year 8</u>	
<i>Topics or Sub-Topics to revise</i>	<i>Where to find the information to revise</i>
<p>Year 8 Science Units The units are taught on a rotation during the year. Unit 3s will be completed by the end module 3, and Unit 4s will be completed by the end of the year.</p> <p>Biology Unit 3 Reproduction Genetics and evolution Inheritance, chromosomes, DNA and genes</p> <p>Unit 4 Cellular respiration Gas exchange systems</p> <p>Chemistry Unit 3 Atoms, elements and compounds Chemical reactions The Periodic Table</p> <p>Unit 4 Earth and atmosphere</p>	<p>Doddle: www.doddlelearn.co.uk</p> <p>Institution ID = The Priory Ruskin Academy Username = unique to the student and provided by the Science Dept Password = unique to the student and provided by the Science Dept</p> <p>BBC Bitesize: http://www.bbc.co.uk/education/subjects/zng4d2p</p> <p>Andy Darvill's Science Site: http://www.darvill.clara.net/myon.htm</p>

Topics covered in KS3

Materials
Chemical reactions

Physics

Unit 3

Current electricity
Static electricity
Magnetism

Unit 4

Energy
Calculation of fuel uses and costs in the domestic context
Energy changes and transfers
Changes in systems
Space physics

ICT

Sub-topics to revise

Where to find the information to revise

Year 7 ICT

Unit 1

Understanding Computers safely, effectively and responsibly

Unit 2

Games programming in scratch

Unit 3

Control systems with Flowol

Unit 4

Spreadsheet modelling

Unit 5

Introduction to Python

Year 8 ICT

Unit 1

Computer crime and cyber security

Unit 2

Understanding computers

Unit 3

Networks

Unit 4

Database Development

Unit 5

Introduction to Python

Help sheets provided by the teacher

Useful websites

www.teachict.com

<https://www.codecademy.com/>

Topics covered in KS3

<u>History</u>	
Key Stage 3	
Year 7 sub topics:	<i>Where to find the information to revise</i>
Roman Britain The end of the Roman Empire Vikings and Saxon England World War I- Remembrance Day Norman Conquest Medieval Life The Crusades Development of parliament War of the Roses Princes in the Tower Henry VII	BBC website Historylearningsite.co.uk Revision material provided by teacher Woodland Junior School website
Year 8 sub topics:	
Henry VIII Elizabeth I English Civil War Restoration United Kingdom Holocaust Memorial Day Industrial Revolution International Women's Day Empire Slave Trade	

Topics covered in KS3

<u>Geography</u>	
<i>Sub-topics for each of the topics below can be found in revision guides</i>	<i>Where to find the information to revise</i>
Year 7 Topic 1 – Exploring Britain and Map Skills Topic 2 – Exploring Africa Topic 3 – Settlement Topic 4 – Raging Rivers Year 8 Topic 1 – Natural Hazards Topic 2 – Exploring China Topic 3 – Population Topic 4 – Changing Coasts	Youtube www.coolgeography.co.uk www.rgs.org BBC Bitesize http://www.bbc.co.uk/schools/gcsebitesize/geography/

<u>French</u>	
	<i>Where to find the information to revise</i>
Food and drink Healthy lifestyle e.g. smoking, drinking habits Family Hobbies and sports Fashion Holidays House and home routine, town places School and world of work Paris	Linguascope website http://www.linguascope.com/ GCSEPOD http://members.gcsepod.com/shared/podcasts#6005/6015

Topics covered in KS3

German	
<i>Topics or Sub-Topics to revise</i>	<i>Where to find the information to revise</i>
Family School & class objects Sports & hobbies House & home Around town Holidays Food & drink Telling the time & numbers – 1000	Linguascope website http://www.linguascope.com/ GCSEPOD http://members.gcsepod.com/shared/podcasts#6005/6025 BBC Bitesize http://www.bbc.co.uk/schools/gcsebitesize/spanish/

<u>KS3 DESIGN & TECHNOLOGY</u>	
<i>Topics</i>	<i>Where to find the information to revise</i>
Year 7 Paddle Boat Project. Moisture Sensor Project. (Electronics) CAD/CAM Key Fob Project. Isometric Technical Drawing. Branding & Packaging Project. Food & Nutrition. (8 dishes)	www.technologystudent.com http://www.mr-dt.com/ http://www.the-warren.org/
Year 8 Mechanisms & Structures. (Technic Lego) Modular Desk Tidy. Perspective Technical Drawing. Designer Clock Project. Food & Nutrition. (8 dishes)	Web link DT Home page to DT Information Database : https://sharepoint.prioryacademies.co.uk/sites/technology/ruskin/layouts/15/start.aspx#/SitePages/Home.aspx

Topics covered in KS3

Art	
Overview	Specific topics
<p>Across year 7 and 8 students will undertake projects designed to develop their knowledge and skills in the following areas;</p> <ul style="list-style-type: none">• Colour theory• 3D studies• Composition• Pattern• Brush control• Textile design• Painting techniques• Mixed media• Observational drawing• Print making <p>During these projects they will develop their research skills whilst investigating a wide range of artists, styles, cultures and practices.</p>	<p>Year 7</p> <p>Fauvist plant forms Music and Mark Making Troika Pottery Early Islamic Tiles Woven Landscapes Best of British – Mini Masterpieces</p> <p>Year 8</p> <p>Cultural Batik Water Patterns Talking Heads Ceramics Printed Landscapes School Environment Graphic Design Brief Observational Drawing Portfolio</p>

Topics covered in KS3

Performing Arts	
Overview	Specific topics
<p>Across year 7 and 8 students will undertake projects designed to develop their knowledge and skills in Drama, Dance and Music:</p> <ul style="list-style-type: none">• Acting• Singing• Dancing• Notation• Genres• Techniques• Instruments• Composition• Choreography• Improvisation• World music• Electronic music• Percussion• Keyboards <p>They work collaboratively and refine their Personal, Learning and Thinking Skills to use across the curriculum.</p> <p>Websites: WWW.GCSEBitesizeDrama WWW.GCSEBitesizeMusic Musictechteacher.com</p>	<p>Year 7</p> <p>Explorative strategies in Drama</p> <p>Physical Theatre</p> <p>Musical Theatre</p> <p>Narration and characterisation</p> <p>5 Basic Actions in Dance</p> <p>Healthy plate</p> <p>Warm-up/Cool down</p> <p>Styles of Dance</p> <p>Still Life at Penguin Café</p> <p>Samba</p> <p>Stomp</p> <p>Harry Potter</p> <p>Brass ensemble</p> <p>Chopsticks</p> <p>Year 8</p> <p>Film Music</p> <p>Pop Music</p> <p>Reggae</p> <p>Rap</p> <p>Status</p> <p>Titanic</p> <p>Blood Brothers</p> <p>Thriller</p> <p>Transformers</p> <p>West Side Story</p> <p>Action Movies</p>