**The Priory Ruskin Academy**



**KS3 Curriculum Support Guide**

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| **Maths** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **Year 7**  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  **Year 8**  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 | 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/> |

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| **English** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **Year 7**  Term 1: War and Conflict  Term 2: Myths and Legends  Term 3: Sport  **Year 8**  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/ |

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| **Science Year 7** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **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  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 | Doddle:  [www.doddlelearn.co.uk](http://www.doddlelearn.co.uk)  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.  BBC Bitesize:  <http://www.bbc.co.uk/education/subjects/zng4d2p>  Andy Darvill’s Science Site:  <http://www.darvill.clara.net/myon.htm> |

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| **Science Year 8** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **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.  Biology  Unit 3  Reproduction  Genetics and evolution  Inheritance, chromosomes, DNA and genes  Unit 4  Cellular respiration  Gas exchange systems  Chemistry  Unit 3  Atoms, elements and compounds  Chemical reactions  The Periodic Table  Unit 4  Earth and atmosphere  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 | Doddle:  [www.doddlelearn.co.uk](http://www.doddlelearn.co.uk)  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  BBC Bitesize:  <http://www.bbc.co.uk/education/subjects/zng4d2p>  Andy Darvill’s Science Site:  <http://www.darvill.clara.net/myon.htm> |

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| **ICT** | |
| Topics or Sub-topics to revise | Where to find the information to revise |
| **Year 7**  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**  Unit 1  Computer crime and cyber security  Unit 2  Understanding computers  Unit 3  Networks  Unit 4  Database Development  Unit 5  Introduction to Python | [www.teachict.com](http://www.teachict.com)  [www.codecademy.com](http://www.codecademy.com) |

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| **History** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **Year 7**  Historical skills  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  **Year 8**  Henry VIII  Elizabeth I  English Civil War  Restoration  United Kingdom  Holocaust Memorial Day  Industrial Revolution  International Women’s Day  Empire  Slave Trade | BBC bitesize - <http://www.bbc.co.uk/education/subjects/zk26n39>  Historylearningsite website - <http://www.historylearningsite.co.uk/>  Woodlands School website - <http://www.primaryhomeworkhelp.co.uk/victorians.html> |
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| **Geography** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **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 | [www.coolgeography.co.uk](http://www.coolgeography.co.uk)  [www.rgs.org](http://www.rgs.org)  bbcbitesize - <http://www.bbc.co.uk/education/subjects/zrw76sg> |

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| **Cultural Studies** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **Year 7**  Study of World Religions:  Learning about and learning from:  Judaism  Christianity  Islam  **Year 8**  Study of World Religions  Learning about and learning from:  Hinduism  Buddhism  Sikhism | Books are available from the department on request.  Mr Smith is always available if a pupil wants additional help.  BBC website  <http://www.bbc.co.uk/education/subjects/zb48q6f>  Google World Religions for kids  <https://sites.google.com/site/worldreligionsforkids/home> |

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| **PE** | |
| Areas covered in Years 7 and 8 | Where to find the information |
| **Invasion games**  Football  Rugby  Netball  Basketball  Handball  **Net/Wall Games**  Tennis  Table Tennis  Badminton  **Striking Games**  Cricket  Rounders  **Gymnastics Activities**  **Athletics Activities** | <https://www.education.com/reference/article/ten-websites-physical-health-education/> |

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| **French** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| 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/](http://www.linguascope.com/%20)  GCSEPOD  <http://members.gcsepod.com/shared/podcasts#6005/6015> |

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| German | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| Family  School & class objects  Sports & hobbies  House & home  Around town  Holidays  Food & drink  Telling the time & numbers – 1000 | Linguascope website  [http://www.linguascope.com/](http://www.linguascope.com/%20)  GCSEPOD  <http://members.gcsepod.com/shared/podcasts#6005/6025>  BBC Bitesize  <http://www.bbc.co.uk/schools/gcsebitesize/spanish/> |

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

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| **Art** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **Year 7**  Fauvist plant forms  Music and Mark Making  Troika Pottery  Early Islamic Tiles  Woven Landscapes  Best of British – Mini Masterpieces  **Year 8**  Cultural Batik  Water Patterns  Talking Heads Ceramics  Printed Landscapes  School Environment Graphic Design Brief  Observational Drawing Portfolio | bbcbitesize - <http://www.bbc.co.uk/education/subjects/z6f3cdm>  Across year 7 and 8 students will undertake projects designed to develop their knowledge and skills in the following areas:   * Colour theory * 3D studies * Composition * Pattern * Brush control * Textile design * Painting techniques * Mixed media * Observational drawing * Print making   During these projects they will develop their research skills whilst investigating a wide range of artists, styles, cultures and practices. |

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| **Performing Arts** | |
| Topics or Sub-Topics to revise | Where to find the information to revise |
| **Year 7**  Explorative strategies in Drama  Physical Theatre  Musical Theatre  Narration and characterisation  5 Basic Actions in Dance  Healthy plate  Warm-up/Cool down  Styles of Dance  Still Life at Penguin Café  Samba  Stomp  Harry Potter  Brass ensemble  Chopsticks  **Year 8**  Film Music  Pop Music  Reggae  Rap  Status  Titanic  Blood Brothers  Thriller  Transformers  West Side Story  Action Movies | Websites:  bbcbitesize - <http://www.bbc.co.uk/education/subjects/zmsvr82>  <http://www.bbc.co.uk/education/subjects/zbckjxs>  Across year 7 and 8 students will undertake projects designed to develop their knowledge and skills in Drama, Dance and Music:   * Acting * Singing * Dancing * Notation * Genres * Techniques * Instruments * Composition * Choreography * Improvisation * World music * Electronic music * Percussion * Keyboards |