**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 IntegersTerm 2: Algebraic ManipulationTerm 3: Fractions, Decimals and PercentagesTerm 4: AveragesTopic 5: Angles & Solving EquationsTopic 6: Solving Equations & Area and Perimeter**Year 8**Term 1 Number and IntegersTerm 2: Algebraic ManipulationTerm 3: Fractions, Decimals, Percentages &ProbabilityTerm 4: Solving Equations & RatioTopic 5: Area, Perimeter & Surface area, VolumeTopic 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 ConflictTerm 2: Myths and LegendsTerm 3: Sport**Year 8**Term 1 GothicTerm 2: Crime and PunishmentTerm 3: Travel WritingAll 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 Englishhttp://www.educationquizzes.com/ks3/english/English Online - English Language games to support learning.http://www.english-online.org.uk/games/gamezone2.htmFun English Games- Contains videos, quizzes, games and worksheets to support learninghttp://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.BiologyUnit 1Cells and organisationNutrition and digestionHealthUnit 2PhotosynthesisRelationships in an ecosystemReproductionThe skeletal and muscular systemsChemistryUnit 1Recognising physical and chemical changesChemical reactionsUnit 2The particulate nature of matterEnergeticsPure and impure substancesPhysicsUnit 1Describing motionForces and balanced forcesForces and motionPressure in fluidsUnit 2Sound wavesEnergy and wavesLight waves | Doddle:[www.doddlelearn.co.uk](http://www.doddlelearn.co.uk) Institution ID = The Priory Ruskin AcademyUsername = 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.BiologyUnit 3ReproductionGenetics and evolutionInheritance, chromosomes, DNA and genesUnit 4Cellular respirationGas exchange systemsChemistryUnit 3Atoms, elements and compoundsChemical reactionsThe Periodic TableUnit 4Earth and atmosphereMaterialsChemical reactionsPhysicsUnit 3Current electricityStatic electricityMagnetismUnit 4EnergyCalculation of fuel uses and costs in the domestic contextEnergy changes and transfersChanges in systemsSpace physics | Doddle:[www.doddlelearn.co.uk](http://www.doddlelearn.co.uk)Institution ID = The Priory Ruskin AcademyUsername = unique to the student and provided by the Science DeptPassword = unique to the student and provided by the Science DeptBBC 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 1Understanding Computers safely, effectively and responsiblyUnit 2Games programming in scratchUnit 3Control systems with FlowolUnit 4Spreadsheet modellingUnit 5Introduction to Python**Year 8**Unit 1Computer crime and cyber securityUnit 2Understanding computersUnit 3NetworksUnit 4Database DevelopmentUnit 5Introduction 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 skillsRoman BritainThe end of the Roman EmpireVikings and Saxon EnglandWorld War I- Remembrance DayNorman ConquestMedieval LifeThe CrusadesDevelopment of parliamentWar of the RosesPrinces in the TowerHenry VII**Year 8**Henry VIIIElizabeth IEnglish Civil WarRestorationUnited KingdomHolocaust Memorial DayIndustrial RevolutionInternational Women’s DayEmpireSlave 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 SkillsTopic 2 – Exploring AfricaTopic 3 – SettlementTopic 4 – Raging Rivers**Year 8**Topic 1 – Natural HazardsTopic 2 – Exploring ChinaTopic 3 – PopulationTopic 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:JudaismChristianityIslam**Year 8**Study of World ReligionsLearning about and learning from:HinduismBuddhismSikhism | 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**FootballRugbyNetballBasketballHandball**Net/Wall Games**TennisTable TennisBadminton**Striking Games**CricketRounders**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 drinkHealthy lifestyle e.g. smoking, drinking habitsFamilyHobbies and sportsFashionHolidaysHouse and home routine, town placesSchool and world of workParis | 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 |
| FamilySchool & class objectsSports & hobbiesHouse & homeAround townHolidaysFood & drinkTelling 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 formsMusic and Mark MakingTroika PotteryEarly Islamic TilesWoven LandscapesBest of British – Mini Masterpieces**Year 8**Cultural BatikWater PatternsTalking Heads CeramicsPrinted LandscapesSchool Environment Graphic Design BriefObservational 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 DramaPhysical TheatreMusical TheatreNarration and characterisation5 Basic Actions in DanceHealthy plateWarm-up/Cool downStyles of DanceStill Life at Penguin CaféSambaStompHarry PotterBrass ensembleChopsticks**Year 8**Film MusicPop MusicReggaeRapStatusTitanicBlood BrothersThrillerTransformersWest Side StoryAction 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
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