

**Year 12 3 Week Revision Programme and Planner**

 

**NAME CLASS**

**Week 1:**

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| **Subject** | **Topics to be covered** |
| **BACS** | Types of Business Ownership |
| **Business Studies** | **Human Resources** (Recruitment, Selection, Appraisal, Training, Motivation) |
| **Comp Studies** | Networks |
| **DA/TA Biology** | **Unit 2: Osmosis and Plant Transport** – See Specification - Booklets from Biology teacher e-copy of revision guide on Showbie: KZVTM |
| **DA/TA Chemistry** | DA – Metals and Reactivity Series TA – Metals and Reactivity |
| **DA/TA Physics** | **Unit 2: Waves, Echoes, Light and Lenses** – See Specification – Year 11 Booklets 1 and 2 |
| **Drama** | Re-read Philadelphia Here I Come! and complete costume revision for all characters in Episode One and Two Public Gar, Private Gar, S.B., Madge, Katie Doogan, Katie King, Aunt Lizzy, Senator Doogan, Ned, Tom, Joe, Master Boyle, Ben Burton, Con Sweeney. |
| **English** | Analysing Non-Fiction Texts (English Language) |
| **French** | **Context 1 Identity, Lifestyle and Culture*** Self, Family, Friends and Relationships
* Free time, Leisure, Daily Routine (Oral Topic)
* New technology and Social Media

**Context 2 Local, National, International and Global Areas of Interest*** Home and environment

**Context 3 School Life, Studies and the World of Work*** School (Extended Writing)

**Core Revision Topics:** Numbers, Countries, Opinions and Reasons, Time Frames, Food, Household Tasks, Weather, **Key Grammar Points**: Present, Perfect and FutureTense, Adjectives, Reflexive Verbs, Higher Structures (See Notebook)**Resources:** French Notebook, French Oral Booklets, CCEA Vocabulary Book, QUIZLET, Revision Powerpoints(CCEA French Microsite) |
| **Further Maths** | **Simplifying Algebraic Expressions**Add, subtract, multiply and divide rational algebraic fractions with linear and quadratic numerators and/or denominatorsManipulate algebraic expressions, including the expansion of three linear brackets**Equations**Form and solve linear equations including fractional termsForm and solve quadratic equations using methods of factorising, formula and **completing the square** **Simultaneous Equations**Form and solve equations, sometimes given in context, in two or three variables, including:Up to three linear equations in three unknowns; and one linear and one quadratic equation in two unknowns**Quadratic Inequalities**Solve quadratic inequalities, which are restricted to quadratic expressions that factorise**Trigonometry**Sketch the graphs of sin x, cos x and tan x, where the range of x is a subset of -360 ≤ x ≤ 360Solve simple trig equations with a maximum of two solutions in a given range |
| **Gaeilge** | **an Ghaeltacht - I**rish language communities in the Gaeltacht and/or urban Gaeltacht; Irish language globally; aspects of Irish culture; place names, local history and heritage; and Irish language groups and societies;Resources: Topic booklet, notes in your exercise book, textbook and oral answer booklet |
| **Geography** | Population growth, change and structure & causes and impacts of migration |
| **HE** | Food production/ food processing and production |
| **History** | Co-operation ends and the Cold War begins 1945 & Emerging superpower rivalry and its consequences, 1945–49 (see specification for more details) |
| **Irish** | **Aimsir Cháite / Aimsir Láithreach / Aimsir Fháistineach*** Past tense verbs – regular and irregular, positive, negative and question form
* Present tense verbs – regular and irregular, positive, negative and question form
* Future tense verbs – regular and irregular, positive, negative and question form
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| **Leisure & Tourism** | Marketing, The Marketing Mix, Product, Price, Place & Promotion |
| **Maths (M7/M8)** | **Constructions** (Use a ruler and a pair of compasses to do constructions) to include drawing triangles and other 2D shapes using a ruler and a protractor**Loci** (Use a ruler and a pair of compasses to do constructions) Identify the loci of points, including real life problems**Use and interpret maps, scale factors and scale drawings****Ratio** Use ratio notation, including reduction to its simplest form and its various links to fraction notationDivide a quantity into a given ratioApply ratio and proportion to real-life contexts and problems such as conversion, best-buy, comparison, scaling, mixing, concentrations and exchange rates**Understand the Principles of Number Systems**Convert numbers from decimal to binary (base 2) and vice versa**Laws of Indices**Use index laws in algebra for zero, positive and negative powers,Use index laws in algebra for integer powers**M8: Use index notation and index laws for integer, fractional and negative powers** |
| **Music** | * Handel ‘For unto us a child is born’
* Mozart  ‘Horn Concerto No.4 third Mvt’
* Berlioz ‘ Symphonie Fantastique’

**Wks 1-3*** Unseen Baroque/Classical/Film/Irish Listening Questions
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| **PE** | Skeletal system 13-17Muscular system 17-22Physical health: sleep 76-79Health –Mental and Social 37-45Smoking, alcohol and illegal drugs 80-93Fitness testing for wellbeing 60-62 |
| **RE** | * The causes and types of prejudice and discrimination, including race, religion, gender and disability;
* Biblical and church opinions on prejudice and discrimination;
* Bible teaching on responsibility towards people in need;
 |
| **Spanish** |  **Context 1: Identity, Lifestyle and Culture*** Revision of ‘myself, my family and relationships’ vocabulary in languages guide 1 (light blue booklet) – pages 3-6

\*DON’T FORGET TO USE **QUIZLET** TO ASSIST WITH **ALL** VOCABULARY REVISION!!!* Revision of ‘culture, customs, festivals and celebrations’ vocabulary in language guide 1 (light blue booklet) – pages 6-7

**Context 1: Identity, Lifestyle and Culture*** Revision of ‘free time, leisure and daily routine’ vocabulary in language guide 2 (light blue booklet) – pages pages 6-11
* Revision of ‘social media and new technology’ vocabulary in language guide 2 (light blue booklet) – pages 4-6

**Grammar:*** Revision of present tense notes in grammar guide (green booklet) – pages 81-92

**WRITING:** * As part of your written exam, you will be required to produce an extended piece of writing (of 150-180 words) on the topic of Home and Local Area
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| **Tech. Design** | Pneumatics  |

**NB *Year 12 LLW – only students that are repeating Yr11 modules in May 2020 will sit a Christmas exam.***

**Week 1:**

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| **TIME** | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** | **SATURDAY** | **SUNDAY** |
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**Week 2:**

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| **Subject** | **Topics to be covered** |
| **BACS** | Stakeholders |
| **Business Studies** | **Business Growth** (Business success/failure, Internal and External Growth, Economies of Scale) |
| **Comp Studies** | Central Processing Unit and Computer Memory |
| **DA/TA Biology** | **Unit 2: The Circulatory System -** See Specification - Booklets from Biology teacher e-copy of revision guide on Showbie: KZVTM |
| **DA/TA Chemistry** | DA & TA – Rusting, Redox and Iron |
| **DA/TA Physics** | **Unit 2: Electricity and Electromagnetism** – See Specification – Year 11 Booklets 3 and 4 |
| **Drama** | Prepare performance and Director notes for Episode One of Philadelphia, Here I Come! |
| **English** | Writing for Purpose and Audience (English Language) |
| **French** | Context for Learning 2: Where I live, local area and region. Travel and tourism.Grammar: Revision of future and conditional tenses |
| **Further Maths** | **Differentiation**Differentiation of powers and sums of powers of *x* to find *dy/dx* and d2y/dx2**Applications of Differentiation**Apply the method of differentiation to:Gradients, tangents, normals, maximum and minimum turning pointsElementary curve sketching of a quadratic or cubic function (a cubic function will have *x* as a common factor)**Integration**Integration of powers and sums of powers of *x*, including definite integration (Including negative indices but excluding fractional indices and ∫ *x*-1 *dx*)Form and evaluate definite integralsApplication of definite integration to find the area under a curve.Area enclosed between a curve, the *x*-axis and the ordinates *x* = *a* and *x* = *b*.  |
| **Gaeilge** | **Myself and the world around me -** issues affecting teenagers in today’s world; personal issues; social problems; health and lifestyle; social media; modern technology; and environmental issues;Resources: Topic booklet, notes in your exercise book, textbook and oral answer booklet |
| **Geography** | Urban land use & issues facing inner city areas in MEDCs |
| **HE** | Macro and micronutrients, fibre and water |
| **History** | Flashpoints in Europe and the impact on international relations 1948-68: egs. Berlin Blockade/Airlift 1948-49, Hungary 1956, Berlin 1959-1961 and Czechoslovakia 1968 (see specification for more details) |
| **Irish** | * Free time and Leisure:
* Vocabulary for hobbies, sports, expressing an opinion with a reason
* How you spent / spend / will spend your weekend
* What you like to do in your spare time
* Resources: Topic booklet, notes in your exercise book, textbook and oral answer booklet
 |
| **Leisure & Tourism** | Target Marketing, Market Segmentation, E Marketing – Impact of the Internet and Social Media |
| **Maths (M7/M8)** | **Changing the Subject of a Formulae**Include cases where the subject appears in more than one term or where a power or root of the subject appears**Transformations** Describe and transform 2D shapes using single transformationsDescribe and transform 2D shapes using reflections about the *x* and *y* axes, in lines parallel to the *x* and *y* axis and *y* = ± *x*Distinguish properties that are preserved under particular transformationsDescribe and transform 2D shapes using single rotations about the origin and any pointDescribe and transform 2D shapes using translations, to include vector notationDescribe and transform 2D shapes using enlargements by a positive whole scale factor and fractional scale factorRecognise reflection and rotational symmetry of 2D shapesDescribe and transform 2D shapes using single or combined rotations, reflections, translations or enlargements by a positive, fractional and **negative scale factor****Simultaneous Equations*****Revision of drawing a straight line***Solve two linear simultaneous equations graphically**Set up** and solve two linear simultaneous equations algebraically**M8: Set up and solve two simultaneous equations, one linear and one non-linear** |
| **Music** | * Williams ‘Superman, Main Theme’
* Horner ‘The Amazing Spider-Man, Young Peter’

**Wks 1-3*** Unseen Baroque/Classical/Film/Irish Listening Questions
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| **PE** | Physical fitness 142-147Principles of training 147-150Methods of training 150-156The leisure industry 102-113Event management in the Active Leisure Industry 114-122Health, Safety and Risk Assessment 63-65 |
| **RE** | * The causes and characteristics of local, national and global poverty, and the distinction between absolute and relative poverty;
* The work of one organisation fighting poverty and injustice, for example Christian Aid, St Vincent de Paul, Salvation Army or Trócaire;
* Ways in which individuals and communities can respond to and support both fair trade and campaigns for justice;
 |
| **Spanish** |  **Context 2: Local, National, International and Global Areas of Interest*** Revision of ‘health and lifestyle’ vocabulary in language guide 3 (yellow booklet) – pages 4-9
* Revision of ‘antisocial behaviour and caring for others’ vocabulary in language guide 3 (yellow booklet) – page 3

**Context 2: Local, National, International and Global Areas of Interest*** Revision of ‘travel and tourism’ vocabulary in language guide 4 (yellow booklet) – pages 4-7

**Grammar*** Revision of preterite tense notes in grammar guide (green booklet) – pages 109-115
* Revision of adjectives notes in grammar guide (green booklet) – pages 30-33
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| **Tech. Design** | Mechanisms |

**Week 2:**

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**Week 3:**

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| **Subject** | **Topics to be covered** |
| **BACS** | Communication |
| **Business Studies** | **Finance** (Sources of Finance, Cash flow Forecasts, Financial Statements, Ratios, Break-even) |
| **Comp Studies** | Computer Arithmetic |
| **DA/TA Biology** | **Unit 2: Chromosomes, Genes and DNA -** See Specification - Booklets from Biology teacher e-copy of revision guide on Showbie: KZVTM |
| **DA/TA Chemistry** | DA & TA – Rates of Reaction and Equilibrium |
| **DA/TA Physics** | **Unit 2: Space Physics and Unit 1 Motion, Newton’s Laws and Hooke’s Law** – See Specification – Year 11 Booklet 5, Year 12 Booklets 1 and 2 |
| **Drama** | Prepare performance and Director notes for Episode Two of Philadelphia, Here I Come! |
| **English** | Analysing Non – Fiction Texts (English Language) |
| **French** | Context for Learning 3: School life, studies and jobsGrammar: Higher Structures. Opinions and reasons. Linking phrases |
| **Further Maths** | **Matrices**Add and subtract matricesMultiply matrices including compatibility rule for multiplyingFind det **A** and **A-1**for 2x2 matricesSolve equations of the form **A ± X = B** and **AX = B**Solve two linear simultaneous equations using matrices**Logarithms**Understand logarithms as a natural evolution from indicesUse the three basic laws of logarithms in simplifying and manipulating expressions involving logarithmsSolve indicial equations using logarithmsLog graphs in context |
| **Gaeilge** | * Past/present/future tense verbs.
* Prepositions, the infinitive form of the verb & rules of mo/do/a etc

Resources: Topic booklet, notes in your exercise book, textbook and oral answer booklet |
| **Geography** | Urbanisation in MEDCs and LEDCs |
| **HE** | Nutritional and dietary needs, CVD and Diabetes |
| **History** | Flashpoints outside Europe and the impact on international relations 1950-65 eg Korean War 1950-53, Cuban Missile Crisis 1959-62 and background to Vietnam War 1950-65 (see specification for more details) |
| **Irish** | **Daily Routine*** How you spent/spend/will spend the weekend (opinions and idiomatic languages)

Resources: Topic booklet, notes in your exercise book, textbook and oral answer booklet |
| **Leisure & Tourism** | Organisational Objectives, Promotional Activity, Market Research |
| **Maths (M7/M8)** | **Surds**Use surds and π in exact calculations**M8: Distinguish between rational and irrational numbers****Change a recurring decimal to a fraction****Simplify numerical expressions involving surds, including the rationalisation of the denominator of a fraction****Standard Form**Interpret, order and calculate with numbers written in standard index form**Inequalities**Solve inequalities in one variable, and represent the solution set on a number lineSolve linear inequalities in two variables representing the solution set on a graph**Sequences**Recognise and use sequences of, for example, triangular, square and cube numbersGenerate terms of a sequence using term-to-term or a position-to-term ruleFind the *n*th term of a sequence where the rule is linearFind the *n*th term of non-linear sequences**Trigonometry**Understand and use bearings**M8: Understand and use the sine and cosine rules****Calculate the area of a triangle using** A =**Use Pythagoras’ theorem and trigonometry to solve 2D and 3D problems** |
| **Music** |   Beoga ‘Prelude Polka, Paddy’s Polka No.2, Millstream Reel’  Stonewall Folk Group ‘The Boys of Belfast/The Girl I Left Behind’**Wks 1-3**  Unseen Baroque/Classical/Film/Irish Listening Questions |
| **PE** | Assessment of physical fitness 156-159Planning and evaluating training programmes 159-162Planning and evaluating training sessions 162-170Cardiovascular System 23-27Respiratory System 28-30 |
| **RE** | * The debate about abortion, taking account of social, political, biblical, church and other ethical viewpoints;
* The views of pro-life and pro-choice groups, the status of the embryo, sanctity of life and alternatives to abortion;
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| **Spanish** |  **Context 2: Local, National, International and Global Areas of Interest*** Revision of ‘my local area and the wider environment’ vocabulary in language guide 5 (yellow booklet) – pages 2-11
* Revision of ‘social issues’ vocabulary in language guide 5 (yellow booklet) – page 12

**Grammar*** Revision of near future tense notes in ‘myself, my family and relationships’ languages guide 1 (light blue booklet) – pages 45-46
* Revision of possessive adjectives notes in grammar guide (green booklet) – pages 48-50
* Revision of negatives notes in grammar guide (green booklet) – pages 35-36
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| **Tech. Design** | Materials |

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