

Little Lever School CURRICULUM INTENT

		ENGLISH and MATHS		EBACC								FOUNDATION SUBJECTS														
		Maths	English	Science	Computing	French	Spanish	Geography	History	RE	Catering (KS3) Hospitality & Catering (KS4)	Technology (KS3) Design Technology (KS4)	Music & Music Technology	Drama	Art	Core PE	Computer Science	Business	Creative Media	D.I.T	GCSE PE/Sport studies	Textiles	Photography			
Year 7	Autumn	Numbers and Numerals. Axioms & arrays. Factors & multiples. Order of operations. Positive and negative numbers. Sequences, expressions & equations	Animal farm (Context. Connotations v denotations. Inference & deduction. Irony & borehadowing. Fact v opinion. Pathetic fallacy.)	Cells. Particles. Working scientifically	E safety. Creating digital media Products/Publishing (genres; typography & keywords)	Personal information. School. Hobbies	Personal information. Hobbies	Introduction to geography. Hot & cold climates. Extreme tourism including glaciers.	The Norman Conquest. Medieval Realms	Ancient Judaism	Personal hygiene. Health and safety. Healthy eating	Timbers, marking out & basic tools. Polymers & CAD CAM	Introduction to music. Keyboard skills	Introduction to drama. Improvisation.	Recording ideas including tonal techniques, line drawing & monoprinting. Alberto Giacometti & Michael Craig Martin	Games for understanding. Basic fitness tests. Boys (Handball, rugby, football, boxing, orienteering, cross country). Girls (Hockey, netball, cross country, trampolining, racket sports). Theory (Optimising Training. Prevention of injury. Health fitness & wellbeing. short & long term effects of exercise.)										
	Spring	Angles. 2D shapes incl area & transformation. Constructing triangles & quadrilaterals. Coordinates	Gothic Fiction (Context. Reading for meaning & engagement. Imagery. Vocabulary for impact. Punctuation for effect. Creating settings & atmosphere)	Forces. Energy	Control and monitoring. Visual programming	Hobbies. Local area	School. Family & Friends	Climate issues. Globalisation. Populations and megacities. Coastal geography	Medieval Realms. Tudor History	Modern Judaism. Islam.	Types of foods (vegetables; fish, oils & fats; proteins)	Metals and casting	Music in animation. Musical sequencing	Scripted drama part 1: Oliver Twist. Devising drama: Haunted Lighthouse. Darkwood Manor	Experimenting & Developing. Colour theory. Nancy Spaulding collage. Hunderwasser.	Boys (Health related fitness, gymnastics, football, basketball). Girls (Health related fitness, dance, gymnastics, netball, orienteering). Theory (Diet, components of fitness, types of feedback, mental preparation)										
	Summer	Fractions. Ratio. Percentages	Romeo and Juliet (Context. Stage directions. Dramatic irony. Symbolism. Characterisation. Analysis)	Cycles. Working scientifically	Creating digital products-Graphical User Interface	Holidays	Local area	Coastal geography. Rivers, flooding & flood management	Tudor History. Stuart History	Islam. Buddhism	Flour & its products	Design sketching and CAD. Joining methods, production & quality control	Musical futures. Instruments of the orchestra	Physical Theatre. Scripted drama part 2	Developing & refining ideas. Hunderwasser.	Boys (Athletics, Golf, cricket, softball, rounders). Girls (Athletics, rounders, cricket, football, softball, golf). Theory (Commercialisation, ethics & sporting behaviour. Sport in the UK, factors affecting popularity of sports).										
Year 8	Autumn	Order of operations. Introducing sequences, expressions and equations. Primes & factoring. Add/Subtract fractions	Of Mice and Men (Understanding context. Persuasive writing. Characterisation and Symbolism. Organising ideas. Analysis.)	Body systems. Chemical reactions.	Creating digital media products: Publishing (media sectors; typography (colour theory) Text Programming: Python	Hobbies. Holiday activities.	Holidays. Hobbies	Climbing the development ladder. Africa. HIV/AIDS.	USA Divided 1492-1900. Conflict & tension 1913-1939	Animal rights. Prejudice & discrimination.	World food & commodities. Methods of cooking.	Investigating sound (Product analysis; sound testing; design ideas)	Keyboard skills part 2. Radio shows.	Devising drama: mime, mask & movement. Scripted: Blood Brothers.	Recording ideas: portraits	Boys (badminton, rugby, football, boxing, orienteering, cross country). Girls (Hockey, netball, cross country, trampolining, racket sports) Theory (Skeletal, joints, muscles, cardiovascular system).										
	Spring	Positive & negative numbers. Sequences, expressions & equations. Triangles, quadrilaterals and angles in parallel lines. Length and area: parallelograms and trapezia.	Maxe Runner (Dystopian genre. Developing suspense & tension. Critical analysis. Linking ideas)	Electricity & magnetism. Waves.	Threats to data and prevention. Collecting, presenting and interpreting data: Spreadsheets	My identity. Local area & travel	Food. Going out & daily routine.	Plate tectonics. Earthquakes. Tsunami. Volcanoes. Various case studies. Geothermal energy.	Conflict & tension 1913-1939. WWI & its global consequences.	Prejudice & discrimination. Christianity.	Methods of cooking.	Manufacture (using tools for marking, drilling & cutting; Finishing materials; drawing techniques)	Music in film. Musical sequencing part 2.	Documentary drama: Crimewatch. Physical theatre: Chair duets.	Experimenting & Developing. Letter project.	Boys (Health related fitness, gymnastics, football, basketball). Girls (Health related fitness, dance, gymnastics, netball, orienteering). Theory (Components of fitness, diet, aerobic/anaerobic respiration, respiratory system, long term effects of exercise).										
	Summer	Percentage change. Ratio. Rounding. Circumference and area of a circle. Surface area and volume.	Poetry (Inference & deduction. Poetic forms & structures. Figurative language. Comparing ideas & beliefs.)	Genetics & evolution. Periodic table & the elements.	Data and data representation (Binary to decimal; Hexadecimal conversion; Boolean logic)	Talent	Local area & holiday activities.	Population changes	WWII & its global consequences. Revolution & protest in Lancashire.	Christianity. Islam.	Healthy eating. Cake making & sugar. Knife skills.	Deconstruction (computer mouse design for different clients)	Musical futures 2. Music from around the world.	Scripted & devised: Stories. Live performance reviewing.	Developing & refining ideas: Letter project.	Boys (Athletics, cricket, football, rounders, golf). Girls (Athletics, rounders, cricket, football, softball, golf). Theory (Ethics. Goal setting. Commercialisation of sport, Drugs)										
Year 9	Autumn	Integers & place value. Decimals. Indices, powers & roots. Expanding & factorising single brackets. Expressions & substitution into formulae. Calculations, checking & rounding. Indices, roots, reciprocals & order of operations. Factors, multiples & primes. Standard form & surds. Algebra including Setting up, rearranging & solving equations, rearranging & solving equations, sequences.	A Christmas Carol & descriptive writing.	Biology: cell structure. Cell division. Chemistry: model of the atom, symbols, relative atomic mass, electronic charge & isotopes. Physics: Changes of state and the particle model. Internal energy and energy transfers. Particle model and pressure.		My family (using complex opinions, reflexive verbs). Marriage & relationships (near future tense, conditional tense)	My family (using complex opinions, reflexive verbs). Marriage & relationships (near future tense, conditional tense)	Introduction to GCSE (rivers, valleys, waterfalls, local case studies. Hvington & Whaley Bridge). Skills (Jigs, maps, graphs, statistics)	Medicine: Medieval. Renaissance	Peace & conflict. Crime & punishment.	Understand the environment in which hospitality and catering operates. Understand how hospitality and catering provision meets health and safety requirements.	US design (product analysis, design ideas, 2D design skills, final polymers)	An introduction to GCSE Music Theory. An introduction to Composition. An introduction to Performance. Musical forms & devices. Development of first free composition. Development of solo performance one.	Introduction to GCSE drama: Theatre Practitioners. Devising drama: "Who's Watching Who?"	Day of the Dead project.	Table tennis, badminton, hockey, netball, rugby, football, boxing, fitness training, cross country, trampolining. Theory (Prevention of injury, classification in sport, mental preparation, bones, muscles, aerobic/anaerobic)	Programming: Computers (Input/Output model; hardware v software). Data (Binary & Hexadecimal)	Revenue. Costs. Profits. Stakeholders. Cashflow. Customer satisfaction. Company image/reputation. Motivation & productivity.	Media products, audience definitions & purposes.	Interfaces and their design. Audience needs. Design principles. Project planning.	GCSE PE & Sports studies: Developing sports skills. Team & individual official. Sports leadership. Skeletal system. Muscular system & movement.	Skirt project. Recording	Sustained project: Urban photography. Critical Studies (Paul Poiret, People Will Always Need Plates, Nic Gossden, Phyllis Denton)			
	Spring	Averages & range; representing & interpreting data: scatter graphs, reaction, percentages, ratio & proportion.	Macbeth & writing with a viewpoint.	Biology: Principles of organisation. Animal tissues, organs & organ systems. Plant tissues, organs & systems. Chemistry: reactions of acids. Physics: Energy changes in a system and the ways energy is stored before and after such changes.		Social media (complex irregular present tense verb, writing & speaking skills)	Social media (complex irregular present tense verb, writing & speaking skills)	Natural hazards	Medicine: Industrial. Modern	Crime & punishment. Religious beliefs (Christianity & Islam)	Understand how hospitality and catering provision operates. Understand how hospitality and catering provision meets health and safety requirements.	Bottle opener (product analysis, ergonomics & anthropometrics, design ideas, iteration v final product). Development of first free composition. Development of ensemble performance one.	Set Work One: Since You've Been Gone. Development of first free composition. Development of ensemble performance one. Set Work Two: Eine Kleine Nachtmusik. Music Technology: Music Technology: Introducing music recording.	Scripted: "Teacher". Devising drama: "Homelessus".	Experimenting & Developing. Critical studies (David Laouen, Fraunhofer, personal)	Health related fitness. Basketball. Dance. Football. Handball. Gymnastics. Netball. Orienteering. Theory (Components of fitness, diet & nutrition, commercialisation of sport, ethics in sport)	Programming: Computers (high & low level languages, translating languages, hardware, operating systems). Problem solving (networks, LANs & WANs, client server v peer to peer, network speeds, connectivity)	Changing nature of business. Business enterprise. Risk & reward. Competitive environment. Start ups and small businesses.	Relationship between the product, audience and purpose.	Project planning. Designing & developing an interface.	GCSE PE & Sport studies: developing sports skills. Outdoor education. Skeletal system & movement. Cardiovascular & respiratory systems.	Experimenting & developing	Sustained project: experimenting & developing. Critical studies (Nicholas Hoggins). Developing & refining ideas.			
	Summer	Polynomials, angles and parallel lines. Pythagoras theorem and trigonometry. Graphs, the basics and real life graphs. Linear graphs and coordinate geometry. Quadratic, cubic and other graphs.	Poetry & comparative analysis	Biology: Photosynthesis. Respiration. Chemistry: Chemical bonds: ionic, covalent and metallic. How bonding and structure are related to the properties of substances.		Benefits & dangers of technology (complex irregular verbs). Free time & healthy lifestyles (past tense, future tense)	Benefits & dangers of technology (complex irregular verbs). Free time & healthy lifestyles (past tense, future tense)	The living world.	America: 1920s. America: Depression	Religious beliefs (Christianity & Islam). Relationships & families.	Know how food can cause ill health	Individual interpretation of a brief & development of a design brief.	Rhythm and Melody. Development of first free composition. Development of ensemble performance one. Area of study 3: Film Music. Recordings of first free composition. Recordings of first performance.	Scripted: Our Day Out. Live performance review: Billy Elliot	Developing & refining ideas.	Athletics. Cricket. Rounders. Football. Softball. Golf. Theory/factors affecting popularity of sport, sport in the UK, drugs in sport)	Programming (errors, library sub-programs). Problem solving (network topologies, protocols). Computers (Boolean logic). The bigger picture (environmental impact, ethical issues). Data.	Business aims & objectives. Business plans. Technology in business.	Pre-production, production & post-production workshops.	Developing the interface. Communication technologies. The Cloud. Modern teams.	GCSE PE & Sport studies: Athletics. Outdoor education. Muscular system & movement. Cardiovascular & respiratory systems.	Developing & refining ideas.	Supporting project - portrait album cover project. Critical studies (John Rawlin, Dan Mountford, Thomas Coulter, Distortion & pop art, album cover designs & personal explorations)			
Year 10	Autumn	Perimeter, area & circles. 3D forms & volumes. cylinders, cones & spheres. Real life graphs. Straight line graphs. Transformations (Rotations, Translations). Accuracy & bounds in context. Construction, loci & bearings.	An Inspector Calls	Biology: Principles of organisation: animal & plant (tissues, organs & organ systems). Photosynthesis. Respiration. Chemistry: Reactivity of metals. Electrolysis. Physics: Current, potential difference and resistance. Series and parallel circuits. Domestic uses and safety. Energy transfers. State electricity. Atoms and nuclear radiation. Hazards and uses of radioactive emissions and of background radiation.		Customisment tense, complex past tenses, irregular verbs, cultural festivals). Festivals (past tenses, conditional tense, perfect & pluperfect, negatives)	Customisment tense, complex past tenses, irregular verbs, cultural festivals). Festivals (past tenses, conditional tense, perfect & pluperfect, negatives)	Urban issues & challenge (Rio & Liverpool)	America 1920-1937: Opportunity & inequality.	Religion & life (Origins of the universe. Environmental issues. Animal rights. Sanctity of life. Abortion. Euthanasia. Life after death). Islam	Understand menu planning	Investigating skills (jeweller & concrete casting, design sketching, line sketching, shading wood, CAD CAM/Fusion 360)	Music: An introduction to GCSE (music theory, compositional forms, ensemble performance). Music Technology: Music Technology: Introducing music recording.	Blood Brothers	Day of the Dead project: personal response & ceramic workshop.	Fitness suite. Badminton. Dodgeball. Football. Basketball. Trampoline.	Data: 3D maps & sound, compression, structured & unstructured data. Programming: dictionaries. Computers: internal components, data storage, embedded systems. Problem solving: standard algorithms. Communication & the Internet: network security, internet v www. The bigger picture: copyright, licensing & intellectual property, open source & proprietary software.	Business growth. Business & globalization. Customer needs. Market research. Market segmentation. Business location. Product. Price.	Genre. Practice assignment writing. Narrative	Communicating with stakeholders & accessibility. Impact of modern technology on organisations/individuals. Cyber security. Shared data.	Sport studies: Developing sports skills. Team/individual officials. Outdoor education.	Skirt project - making the final design.	Supporting project - portrait album cover project. Critical studies (John Rawlin, Dan Mountford, Thomas Coulter, Distortion & pop art, album cover designs & personal explorations)			
	Spring	Transformations (Enlargements & Reflections). Ratio & proportion. Pythagoras & trigonometry. Probability. Solving quadratic and simultaneous equations. Simultaneous equations. Reasoning. Similarity and Congruence in 3D	A Christmas Carol	Biology: Communicable diseases. Monoclonal antibodies. Plant disease. Chemistry: Chemical measurements, conservation of mass and the quantitative interpretation. Use of amount of substance in relation to masses of pure substances. Soothermic and endothermic reactions. Chemical cells & fuel cells.		Home & region (Differences between past & present, complex writing). Charities & voluntary work (conditional tense, perfect & pluperfect, negatives)	Home & region (Differences between past & present, complex writing). Charities & voluntary work (conditional tense, perfect & pluperfect, negatives)	UK physical landscapes. Castles (case study: Sefton Coast)	Elizabethan England (1568-1603)	Islam. Reshaping learning following the model.	Understand the importance of nutrition when planning menus. Understand menu planning.	Lighting (design brief, user centred design, iteration & modelling, manufacture)	The Everyday project. Critical text: popular studies (Prilla Jones, Andrea Joseph, Michael Craig Martin)	Health related fitness. Table tennis. Football. Handball. Dodgeball. Fitness suite. Orienteering (Martin)	Data: structured databases. External assignment.	Promotion. Place. Using the marketing mix. Break even & interest rates. Cash & Cash flow. Sources of finance. Business calculations. Understanding business performance.	Responding to a brief. Generating ideas. Managing the production process. Monitoring & reviewing. Testing & exporting for distribution.	Environmental concerns. Legal & ethical issues. Notation, flow diagrams/charts.	Sport studies: Developing sports skills. Contemporary issues in sport.	Natural forms. Critical studies (Matthew Williamson, Stella McCartney, Alexander McQueen)	Personal choice project. Critical studies informing photo shoot direction.					
	Summer	Multiplicative reasoning. Plans & elevations. Construction, loci & bearings. Graphs of trigonometric functions. Further Trigonometry. Collecting data. Cumulative frequency, box plots and histograms. Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics.	World News	Chemistry: Rate of reaction. Reversible reactions & dynamic equilibrium.		Revision & speaking preparation.	Revision & speaking preparation.	Rivers (Case study: Stokely)	Elizabethan England (1568-1603)	Revision for the exam based on individual PLC areas for improvement.	Be able to cook planned dishes	Individual interpretation & development of a design brief).	Musikhythm & metre. Music Theory: Music Technology: Working in the music industry.	Devising log coursework	Athletics. Softball. Cricket. Football. Rounders. Golf	Algorithm Development (Variables, Input-Process-Output model. General Functions, Program Features and Constructs).	Organisational structures. Effective communication. Different ways of working. Effective recruitment. Effective training & development. Motivation. Business operations. Working with suppliers. Managing quality. The sales process & customer service. Legislation & business.	Representation of people, places, issues and events. Audience & event. Generating ideas. Assignment.	Flow charts. Revisiting modern technologies/threats to data/legal & ethical use of technology. Data analysis. Data manipulation skills.	Sport studies: Athletics. Developing sports skills	Developing & refining ideas.	Personal choice project. Experimenting with editing techniques, developing a personal response to the chosen brief.				
Year 11	Autumn	Integers & place value. Decimals. Factors, Multiples & primes. Indices. Rounding & estimating. Fractions. Percentages. Proportion. Ratio. Metric conversion. Compound measures. Standard form. Surds. Substitution. Simplifying expressions. Expanding & Factorising. Linear equations. Simultaneous equations. Quadratic, cubic and reciprocal graphs. Rearranging formulae. Inequalities. Sequences. Linear graphs. Ratios and profits.	Modern novel. Improving analysis. Poetry (Power & conflict).	Chemistry: Organic chemistry. Chemical analysis. Physics: Radioactivity. Forces.		School/perfect tense, infinitives, conditional tense, developing complex (speaking skills) cultural differences)	School/perfect tense, infinitives, conditional tense, developing complex (speaking skills) cultural differences)	The changing economic world? Case study (Nigeria)	Conflict & tension in Asia. Reshape learning (Elizabeth)	Understand the importance of nutrition when planning menus. Understand menu planning.	Developing a design brief & specification. Generating & developing ideas. Manufacturing a prototype.	Music: forms & devices. Form & structure. Music Technology: Music Technology: Working in the music industry.	Devising log coursework. Tests in practice: practical exam	Revisit, review and refine any outstanding project work. Annotations specifically relate to the qualities of drawing.	Fitness suite. Badminton. Dodgeball. Football. Basketball. Trampoline.	Algorithm Development (Trace Tables. Error Codes. Data Types and Databases. Data Structures and Arrays. Written Description Algorithms. Flowcharts. Validation Testing. Program Code/Pseudo Code Algorithms).	The economy & business. External influences. Exam technique. Ethics, environment & business. Cash flow. Business calculations.	Creating a magazine front cover. Responding to a brief. Generating ideas. Assignment.	Data analysis. Data manipulation skills. Internal assessment.	GCSE PE: Developing sport skills for the 3 chosen activities. Sports psychology. Health, fitness & well being. Analysing & evaluating performance. ATP. Sports studies: developing sport skills. Outdoor education.	Pupils will complete their final design from their natural forms. Some pupils will produce a Project 3 will be based on a question to answer from a choice of seven. Pupils will sit the controlled exam at the end of March.	Everyday objects project. Critical studies (What is still life?, Jim Golden. Michael Craig Martin. Andrea Joseph.				
	Spring	Angles. Bearings. Transformations. Construction & loci. Area & perimeter. Scale drawings. Circles. Volume & surface area. Pythagoras. Plans & elevations. Vectors. Loci, circles & area rule. Graphs & charts. Averages.	Evaluation. Macbeth. Creative writing. Poetry (power & conflict). Writing with a viewpoint. Unseen poetry.	Biology: Inheritance. Variation & evolution. Chemistry: Chemistry of the atmosphere. Using resources.		Jobs (Using tenses in writing, complex adjectives, the subjunctive, conditional tense, superlatives & comparatives. The past).		Jobs (Using tenses in writing, complex adjectives, the subjunctive, conditional tense, superlatives & comparatives. The past).	Field work. Issue evaluation	Reshaping learning following the model (medicine & America)	Understand menu planning. Preparing & cooking dishes.	Manufacturing a prototype. Analysing a design decisions. Reshaping learning.	Music: Since You've Been Gone. Eine Kleine Nachtmusik. Music Technology: Music Technology: Working in the music industry.	Understanding drama: knowledge & understanding of drama & theatre. Blood Brothers: analysis & evaluation of the work of live theatre makers.	Health related fitness. Table tennis. Football. Handball. Fitness suite. Dodgeball. Orienteering	Topic 3: Data (Binary Manipulation, Data Representation (Text/Image/Sound)). Topic 4: Hardware. Software. Boolean Logic). Topic 5: Networks. Network Security).	The dynamic nature of business. Start-up & small business. Business calculations. Business growth. Business & globalisation. Exam technique.	Managing the production process. Monitor & reviewing. Production skills & techniques. Combining & refining content. Testing & exporting for distribution.	Internal assessment. Modern technologies.	GCSE PE: Developing sport skills for 3 chosen activities. Reshaping learning based on mock exams. Sports studies: developing sports skills. Sports leadership.	Exam preparation period preparation work ready for the 10 hour external controlled exam. Pupils will choose one question to answer from a choice of seven. Pupils will sit the controlled exam at the end of March.	Exam preparation period preparation work ready for the 10 hour external controlled exam. Pupils will choose one question to answer from a choice of seven. Pupils will sit the controlled exam at the end of March.				
	Summer	Probabilities. Two way tables. Cumulative frequency. Histograms. Sampling.	Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.	Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.		Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.		Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.	Geographical skills.	Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.	Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.	Identifying students' knowledge gaps and re-shaping the curriculum to concentrate on these areas/topics.	Music: rhythm & metre. Film Music. Music Technology: Working in the music industry. Exam preparation	Understanding drama: knowledge & understanding of drama & theatre. Blood Brothers: analysis & evaluation of the work of live theatre makers.	Review, evaluation and completion of coursework by mid May.	Athletics. Softball. Cricket. Football. Rounders. Golf.	Topic 6: (Moral, Ethical, Legal impact of technology. Open Source and Proprietary Software).	Product, price, promotion, place. Using the marketing mix. Business calculations. Exam technique.	Reviewing & Evaluation Assignment.	Threats to data. Legal & ethical use of technology.	GCSE PE: Developing sport skills for 3 chosen activities. Preparation for exam. Sports studies: Improving coursework.	Review, evaluation and completion of coursework by mid May.	Review, evaluation and completion of coursework by mid May.			