

## Introduction

Welcome to this session on **sustainable cities**.

In this session we are going to consider some of the characteristics of sustainable cities. We'll also consider how sustainability in a city can extend to sustainable travel plans.

In this session we'll consider:

The meaning of sustainability

What is meant by a sustainable city

The characteristics of a sustainable city

How this can involve sustainable travel



# BLC RESOURCES

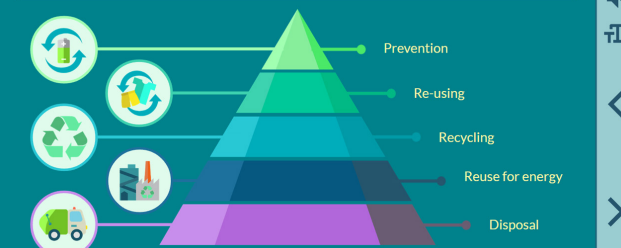
The Blended Learning Consortium was launched by Heart of Worcestershire College in August 2015. Since then it has grown into a partnership which includes over a 160 colleges from around the UK. The consortium strives to improve the FE sector through the creation of high quality online interactive learning resources, sharing of good practice and continuous professional development. Members have the option to simply make use of the available resources or get involved in the writing, editing and development process.

Each year, the Consortium develops and releases interactive e-learning content using pooled consortium funds. The subject areas developed are the result of democratic voting from the consortium members, with the top voted for subjects being put through to development based on the available funds. Additional subject areas are then added as funds become available from new member subscriptions.

As well as having access to the current phase of resources, members are able to cherry pick the most suitable subject areas from those previously developed allowing consortium members to tailor their chosen content to suit their requirements.

### Waste management hierarchies

These pyramids are often referred to as hierarchies. This is because, from top to bottom, they outline the best to worst ways of managing waste. From best (top) to worst (bottom) the steps are often listed as:



- Prevention
- Re-using
- Recycling
- Reuse for energy
- Disposal

### What is a rainforest made up of?

Before we consider how rainforests are being treated, it's worth thinking in a little more detail about what these landscapes are made up of.

Click on the icons to see the layers rainforests are typically made up from, each serving a different purpose in structuring and maintaining the rainforest as a whole.



- Understory**: A warm, humid and damp area below the leafy canopy. Still, the understory houses bats, snakes, lizards, frogs and various insect species among the young trees and soft-stemmed plants.


### Introduction

Welcome to this session introducing search engine marketing.

We are going to consider what search engine marketing is, alongside the differences between paid and organic search options in marketing.

In this session we'll consider:

- What search engine marketing (SEM) is
- What pay per click (PPC) marketing is
- The relationship between SEM and keywords
- Organic and paid search options





# BLC RESOURCES

## How does the Consortium work?

- Annual membership fee of £5K
- Money used to fund the writing, editing and development of learning objects
- Democratic voting process to determine which subject areas are developed
- Content is created to agreed specifications and standards
- Members have access to the source files to adapt and re-brand the learning resources
- Members have their own control over any annually paid-up resources
- Members can tailor their chosen content to suit their requirements

## Benefits to members include:

- Access to high quality content developed by the Consortium
- Efficiency savings through shared development costs
- Money is redistributed through member colleges to develop resources
- Development of in-house skills in writing, editing and developing content
- Support and training from the experienced content development team at Heart of Worcestershire College
- Discounted development software and a range of other resources from companies and sponsors
- Suitable for college based learners, distance learners and apprentices

## What OFSTED said:

“ Most learners report that they enjoy this style of learning; they feel that, as well as being an effective way to learn, it helps them extend their learning and develop the self-discipline they need to be successful when they progress to the next level of learning, university or employment.

Ofsted, March 2018

## What our members say:

“ The quality of the resources are brilliant and relevant to our learners in the FE sector. It's also very useful being part of this community and we have learnt a lot.

Cardiff and Vale College

“ The BLC has saved the college time and money while providing access to leading edge materials for staff and students at all levels of study.

Kirklees College

Visit our website for current information on the Consortium including colleges joined and example content.


<http://www.blc-fe.org>

For more information contact Amy Hollier at Heart of Worcestershire College

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# Resource Library

## Key

 Resources include audio narration  Development phase

## English and Maths



### English L2 1

Adjectives	Fact and Opinion	Quotation Marks
Adverbs	Hyphens and Dashes	Spelling
Apostrophes	Linking Ideas in Essays	Summarising
Brackets and Parentheses	Monologues	The Essay Writing Process
Capital Letters and Full Stops	Nouns and Pronouns	Types of Essay
Colons and Semicolons	Paragraphs	Types of Sentences
Commas	Planning a Speech	Types of Speech
Conjunctions	Prepositions	Understanding Essay Titles
Delivering a Speech	Punctuation	Verbs
Essay Structure	Questions Marks and Exclamation Marks	World classes



### English GCSE 5

Analysing Fiction (Part 1)	Expanding Figurative Language	Revision - Keeping Creative Work Interesting
Analysing Fiction (Part 2)	How to Compare Texts (Part 1)	Revision - Keeping Essays Accurate
Analysing Non-Fiction (Part 1)	How to Compare Texts (Part 2)	Revision - Planning, Punctuation and Paragraphs
Analysing Non-Fiction (Part 2)	How to Craft Writing	Spoken English
Characters and Narrative: First Person	How Writers Use Language	Vocabulary Synonyms, Antonyms and Compounds
Characters and Narrative: Third Person	Knowing the Effects of Language	Writing for Impact: Unusual Techniques
Crafting Different Styles; Fiction	Knowing your Punctuation	Writing to Describe Things
Crafting Different Styles; Non-Fiction	Planning your Writing	Writing to Describe Things in More Detail
Example Analysis for Fiction	Planning your Writing; Writing in Timed Conditions	Written Accuracy Fact-Checking
Example Analysis for Non-Fiction	Proofreading with SPAG	Your Opinion and Your Response



### ESOL 7

Adjectives Ending in Ed and Ing	Countable and Uncountable Nouns	Question Words (How)
Adverbs of Frequency	Nouns, Adjectives and Verbs	Question Words (Why)
Articles	Prepositions of Place	Symbols in Text
Capital Letters and Full Stops	Prepositions of Time and Place (In, On, At)	The Alphabet - Part 1
Common Signs	Pronouns	The Alphabet - Part 2



### ESOL Entry Level 7

Daily routines	Telling the Time	Vocabulary - Houses and Homes
Eating Out	Vocabulary - Animals	Vocabulary - Time
Imperatives	Vocabulary - Around the Home	Vocabulary - Weather
Opposite Adjectives	Vocabulary - Baby Animals	Vowels and Consonants
Prepositions after adjectives	Vocabulary - Colours	



### ESOL EL2 4

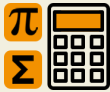
Adjective - gradable and non-gradable	Forming yes or no questions	Prepositions of place
Adjective endings	Homophones 1	Proper nouns
Adjectives comparative and superlative	Homophones 2	Relative pronouns
Adverbs of frequency	Imperatives	Subject verb agreement
Collective nouns - animals	Irregular verbs	Tenses - past perfect
Collective nouns - people	Nouns with two parts (a pair of)	Tenses - present, perfect and past simple
Collective nouns - things	Order of Adjectives	Using must and have to
Conjunctions	Personal pronouns	Using the indefinite articles A and An based on word sounds
Countable and uncountable nouns	Phrasal verbs	Using this, these, those as an adjective or pronoun
Forming information questions	Possessives - adjectives and pronouns	Verb patterns - ing and infinitive forms

# Resource Library



## ESOL EL3

Agreeing and disagreeing	Modal Verbs 3 - Future Possibility	Using linking words to organise speech
Articles 1 (a, the, determiners)	Opinion and fact	Using Present Perfect for Experiences
Articles 2 (zero article and others)	Past Habits and States	Verb Patterns 1 - Gerunds
Collocations	Present Perfect	Verb Patterns 2 - Infinitives
Comparing Things 1	Relative Clauses	Zero Conditional
Comparing Things 2	Second Conditional	
Compound and Complex Sentences	Seeking clarification	
First Conditional	Talking About the Future	
Modal Verbs 1 - Introduction	Talking About the Past 1	
Modal Verbs 2 - Obligation	Using Be and Do in Questions	



## Functional Essential Skills - Maths E3

2D shapes	Formulae	Perimeter
3D shapes	Fractions	Place values and number symbols
Addition	Fractions and Decimals	Positive and negative numbers
Angles	Graphs and Charts	Probability
Area	Length & Distance	Ratio and Proportion
Averages and range	Lists & tables	Rounding and Estimating
Capacity & Weight	Maps & Plans	Subtraction
Dates	Money	Temperature
Decimals	Multiplication	Time
Division	Percentages	Units of Measurement



## Literacy E3

Active and passive voice	Homonyms	Punctuation
Adjectives	Informal letter writing	Sentences - statement question and command
Alliteration and Onomatopoeia	Metaphors and similes	Spelling - silent letters
Autobiographical writing	Nouns	Spelling - vowels and consonants
Different types of poetry	Paragraphs	Strategies for reading
Different types of text	Planning your writing	Synonyms and antonyms
Different types of text - Part 2	Prefixes and suffixes	Tense
Direct and indirect speech	Prepositions, conjunctions and articles	Using a dictionary and thesaurus
Fact and opinion	Proofreading with SPAG	Verbs and adverbs
Formal letter writing	Proverbs and idioms	Writing for argument



## Maths L1

2D shapes	Formulae	Probability
3D shapes	Fractions, decimals and percentages	Ratio
Addition	Introduction to fractions	Rounding and estimating
Angles	Line graphs	Subtraction
Areas	Money	Temperature
Averages	Multiplication	Time
Bar charts	Percentages	Units of measurement
Coordinates	Perimeters	Volume and capacity
Decimals	Pie charts	Weight
Division	Positive and negative numbers	Whole numbers



## Maths GCSE Cymraeg

2D Shapes	Decimals	Ratio and Proportion
2D Shapes	Factors and Indices	Sequences
Algebra - Part 1	Fractions - Part 1	Standard Form
Algebra - Part 2	Fractions - Part 2	Transformations
Angles	Loci and Constructions	Trigonometry
Averages	Money and Financial Maths	Working with Time
Bearings	Multiply and Divide	
BIDMAS or BODMAS	Number	
Circles	Parallel Lines	
Converting Fractions, Decimals and Percentages	Percentages	

# Resource Library



## Numeracy L1

Average calculations	Maps and plans	Solving problems with metric units of measure
Calculating volume of shapes	Multiples and factors	Speed, distance and time
Calories	Pen and paper calculations	Times tables
Constructing geometric diagrams, models and shapes	Percentages	Units of measurement
Imperial units of measurement	Powers and roots	Use shape and space in real context
Interpret graphical data to solve real-live problems	Representing data	Using data to determine the likelihood of an outcome
Length and distance	Revision session 1	Using ICT to perform mathematical calculations
Lists and tables	Revision session 2	Using money, time and measures in real life context
Manage data in real life context	Selecting the most appropriate graphs and charts	Whole number
Managing money in the real world	Solving problems with imperial units of measure	Working out areas and perimeters in practical situations



## Numeracy L2

Algebra - core	Order of operation - functional	Scale - core
Algebra - functional	Percentages - core	Scale - functional
Averages - applicational	Percentages - functional	Shapes and angles - core
Averages - skills	Perimeter and area - core	Shapes and angles - functional
Fractions - core	Perimeter and area - functional	Shapes, angles, perimeter and area - revision
Fractions - functional	Probability - core	Transformation and symmetry - core
Numbers - core	Probability - functional	Transformation and symmetry - functional
Numbers - functional	Ratio and proportion - core	Volume - core
Numbers, order of operation, fractions - revision	Ratio and proportion - functional	Volume - functional
Order of operation - core	Ratio, proportion, percentages and averages - revision	Volume, transformation and symmetry, scale and probability - Revision



## Numeracy L3

Activity Networks	Fermi estimation	Normal Distribution
Collecting and sampling data	Gantt Charts	Probability using Tree Diagrams
Confidence Intervals	Graphical Functions	Probability using Venn Diagrams
Correlation	Inflation	Product Moment Correlation Coefficient
Cost-Benefit Analysis	Interest rates	Rates of Change - Gradients
Critical analysis - Percentages and correlation	Introduction to Critical Analysis	Rates of Change - Speed of Acceleration
Critical Path Analysis	Introduction to Mathematical Modelling	Regression Lines
Expectation Revision	Introduction to Probability	Sample Mean
Exponential and logarithmic functions	Maths for Personal Finance Revision	Taxation
Exponential growth and decay functions	Measures of average and spread	Types of data



## Spelling Punctuation and Grammar L2

Active and Passive voice	Parts of Speech	Sentence types - Conditional
Brackets, ellipses, colons and semi colons	Prefixes	Singular and plural nouns
Capital Commas and Full Stops	Revision Session	Subordinate connectives
Clauses and phrases	Sentence features	Suffixes
First, second and third person	Sentence types - affirmative and negative	Synonyms

## Tutorial



## Access to HE

Application process for HE courses	Financial implications of HE study	Note-taking methods
Assessing your readiness for HE	Finding the right source	Planning for effective study time
Completing your application form for a HE course	HE pathways	Planning your written work
Copyright laws	Identifying key sources of information for your application to HE	Reading strategies
Copyright laws: Digital materials	Interview communication skills	Referencing systems and why we need them
Different referencing for different sources (Part 1)	Interview questions for HE courses	Revision session
Different referencing for different sources (Part 2)	Interview readiness self-evaluation	Roles and responsibilities of your chosen profession
Efficiency and effectiveness; Professional journal versus a newspaper	Issues and debates within your chosen profession	Selection requirements for HE Courses
Efficiency and effectiveness; textbook versus internet search engine	Key principles of conduct within your chosen profession	Speaking and listening
Evaluating HE opportunities	Knowing your study strengths and weaknesses	Writing your personal statement

# Resource Library



## Access to HE L3

Academic reading skills	Note taking from a range of sources	Proofreading and editing
Common exam pitfalls	Objective and emotive language	Referencing
Critical evaluation when reading	Opinion and bias	Referencing for reports
Demonstrating your knowledge in exams	Planning for exams	Report planning
Essay planning	Positive and negative professional attributes	Report structure
Evaluating your presentation	Presentation delivery	Researching for a presentation
Factors that influence wellbeing	Presentation planning	Skimming, scanning and active reading
Managing and maintaining wellbeing	Professional attributes and emotional intelligence	Summarising
Mental wellbeing and resilience	Professional attributes in the workplace	The impact of pressure and stress on wellbeing
Minimising exam stress	Professional attributes SWOT analysis	Writing style for reports



## British Values (refreshed 2022)

Democracy in the UK	Mutual Respect and Tolerance	The Equality Act and Discrimination
Individual Liberty	Public Services	Understanding British Culture
Introducing British Values	Resolving Problems	
Making a Difference	Rule of Law	



## Digital Literacy L2

Cloud computing	Intellectual property	Referencing online content
Computer coding	Introduction to digital literacy	Security and risks
Cyber bullying	Legislation	Skills using email
E-Safety and online behaviour	Mobile phones and apps	Skills using MS Office
Health and Safety	Negative effects of social media	The importance of password
ICT skills	Online money matters	Your digital footprint
Identity theft	Online shopping and downloading	



## Employability L2

Building Work Relationships	Motivation	Self Management Skills
Career Progression	Networking for Employment	Self-Assessment
Choosing a career	Personal Goals	Setting SMART Targets
Communication Skills	Personal Statements for Job Applications	Solving Work Related Problems
Contributing to Meetings	Personal Strengths and Weaknesses	Speculative Cover Letters
Cover Letters	Preparing a CV	Transferable Skills
Effectiveness at work	Preparing for Work Placement	Using an action plan
Evaluating a Job Offer	Reviewing your Personal Achievements	Volunteering
Introduction to Employability	Rights and Responsibilities	Working in a Team
Leaving a Job	Searching for a Job	Your Health at Work



## Employability L3

Assertive Behaviour	Giving and Receiving Feedback	Researching Job Vacancies
Bullying in the Workplace	Identifying Career Opportunities	Roles and Responsibilities in Meetings
Career Trends	Job Application Forms	Skills Audit
Career Trends	Leadership Skills	SMART Targets
Careers Information and Advice	Leadership Styles	Stress
Careers Pathways	Organising Meetings	SWOT Analysis for Organisations
Confidence	Personal SWOT Analysis	Time Management
Critical Thinking	Planning Presentations for Work	Transferable Skills
Forms of Employment	Reflection	Work Life Balance
Gathering Information on a Potential Employer	Research Skills	Writing a CV

# Resource Library



## Employability - Skill Development 8

Collaboration and Teamwork	Flexible Working and Etiquette Skills	Lifelong Learning
Commercial Awareness	Global Citizenship and Employability	Overcoming Setbacks
Emotional Intelligence and Employability	Hard Skills in Employment	Professional Networking with LinkedIn
Enterprise Skills	How the World of Work is Changing	Skills for Enhancing Employability
Finding a Sense of Purpose	Introduction to LinkedIn	Soft Skills in Employment



## E-Safety 1

Cryptocurrency Blockchain Technology and NFTs	Health and Technology	Social Media
Cyberbullying	Mobile Phones	Your Digital Footprint
Digital Citizenship	Online Extremism	
Grooming	Online Scams	



## GDPR & Data Protection

Data Protection Legislation		
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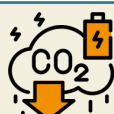
## Interview Preparation 1

After the interview	Getting that interview	Interview questions
Before the interview	Interview day	



## Life Skills 7

Building Confidence and Self Esteem	Health and Safety at Work	Personal Career Planning
Communication Skills	Healthy relationships	Personal Presentation
CVs and Job Applications	Household Cleaning	Presentation skills
Digital Skills in the Workplace	Internet Awareness	Resilience and grit
Drug and Alcohol Awareness	Interview skills	Searching for Jobs
Equality, Diversity and Empathy	Living in the Community	Teamwork
Everyday Food and Drink Preparation	Making choices	The Environment
Food Safety and Storage	Managing Money	Using Domestic Appliances
Getting About Safely	Mental Health Awareness	Volunteering
Health and fitness	Personal Care and Hygiene	What is Employability



## Low Carbon Technologies 7

An Introduction to Electric Vehicles	Ethics and Environmental Issues	Solar Power
Biomass Power	Geothermal Power	The Low Carbon Sector and Green Jobs
Clean Fossil Fuels	Hydroelectric Power	The UK's Electricity System
Energy Efficiency in the Home	Introduction to Renewable Energy	Tidal and Wave Power
Energy Storage	Nuclear Power	Wind Power



## Mental Health - Tutorial 7

Anxiety	Loneliness and mental health	Self esteem
Barriers to seeking help	Mindfulness	Self-care
Cyberbullying	Nature and mental health	Sleep and mental health
Food and mental health	Physical activity and mental health	Social media and mental health
How to be an LGBTQ+ ally	Reducing mental illness stigma	Stress



# Resource Library



## Prevent 1 (refreshed 2022)

Contest and Channel	Non-Religious Terrorism	Terrorism and Human Rights
Counter Terrorism	Our Responsibilities	Terrorism and the Internet
Fundamental British Values	Radicalisation	
Introduction to Prevent	Religious Terrorism	



## Safeguarding 5

Embedding a Safeguarding Culture	Safeguarding Policies and Procedures	Wellbeing - Caring for Our Bodies
Introduction to Safeguarding	Safeguarding Roles and Responsibilities	Wellbeing - Developing Coping Strategies
Ongoing Training and Development	Safeguarding Vulnerable Adults	Wellbeing - The Basics of Mental Health
Prevent	Safer Recruitment	Wellbeing - Tolerating Stress and Distress
Remote Learning and Online Safety	Type of Abuse	Wellbeing - Understanding Thoughts, Feelings and Behaviour



## Study Skills 1

Academic Writing	Listening Skills	Report Writing
Communication Skills	Memory Strategies	Research Methods
Contributing to a Discussion	Note Taking Methods	Researching Online
Dealing with Exam Stress	Overcoming Revision Problems	Revision Techniques
Essay Writing	Planning for Revision	Roles in Groups
Exam Questions	Presentations	Summarising and Paraphrasing
Exam Technique	Questioning Techniques	Tables, Charts and Graphs
Introduction to Note Taking	Reading Critically	Understanding Context
Introduction to Study Skills	Reading Skills	Using Paragraphs Effectively
Leading a Discussion	Referencing and Plagiarism	Writing for Different Purposes



## Sustainability 7

Air Pollution and Sustainable Travel	Reducing your Carbon Footprint	What is Climate Change
Leaders in Climate Change	Sustainability and Food	What is Environmental Conservation
Learning More About Sustainable Cities	Sustainability and Technology	What is Environmental Pollution
Plastic Pollution, Rivers and Oceans	Sustainability and Waste	What is Rainforest Sustainability
Product Lifecycle Sustainability	What is Carbon Footprint?	What You're Wearing and Whether it's Sustainable



## Teacher Training L4 5

Assessing Vocational Achievement	Initial and Diagnostic Assessment	Planning for Online Learning
Benefits of Technology	Learning Styles	Preparing for an Observation
Bloom's Taxonomy	Legislation	Questioning
Creating a Safe and Supportive Learning Environment	Lesson Plans and Schemes of Work	Reflective Practice
Digital Tools for Accessibility - Microsoft and Google	Maslow	Resources for Teaching
Digital Tools for Collaborative Learning	Methods of Communication	Roles and Responsibilities
Equalities	Minimum Core	Theories of Learning
Feedback	Motivation	Types and Methods of Assessment
Formative Assessment for Online Learning	Overcoming Barriers to Learning	Understanding the principles and practices of assessment
Inclusive Learning and Teaching Environments	Peer and Self-Assessment	Working with Other Professionals

# Resource Library



## Teacher Training L5

Barriers to Mentoring	Formative Assessment for Online Learning	Promoting Equality and Diversity
Curriculum Design	Inclusive Curriculum	Reflective Theories - Kolb and Gibbs
Curriculum Models	Internal Quality Assurance	Reflective Theories - Schon and Brookfield
Differentiation	Mentoring	Stakeholders
Digital Tools for Accessibility - Microsoft and Google	Mentoring Skills	Theories of Behaviour Management
Digital Tools for Collaborative Learning	Planning for Online Learning	Theories of Communication
Equality and Diversity Legislation and Regulations	Policy Context	Theories of Learning - Behaviourist
Evaluation Programmes 1	Practical Behaviour Management Strategies	Theories of Learning - Cognitivism and Humanism
Evaluation Programmes 2	Principles of resource design	Theories of Learning - Developmental
Evaluation Programmes 3	Professional Values	Understanding the Principles and Practices of Quality Assurance



## Tutorial

Accountability	Emotional Intelligence	Organisational Skills
British Values	Interpersonal Skills	Public Speaking
Citizenship	Introduction to Health and Safety at Work	Resilience
Creativity	Introduction to Mental Health	Sexual Health - Contraception
Critical Thinking	Language Skills	Sexual Health - Relationships
Customer Service	Leadership Skills	Sexual Health - STIs
Dealing with Conflict	Mental Health Disorders 1	Teamwork
Drug and Alcohol Awareness - Alcohol	Mental Health Disorders 2	Time Management
Drug and Alcohol Awareness - Drugs	Multitasking	Voting
Drug and Alcohol Awareness - Introduction	Networking	Work Ethic



## Tutorial and Financial Literacy

Tutorial		Financial Literacy
ADHD Awareness		Banking
Alcohol		Buying a Home
Autism awareness		Credit Cards and Loans
Black Lives Matter		Insurance and Financial Protection
County Lines		Introduction to Money Management
Language devices		Managing Debt
Smoking and Vaping		Pensions
Stress Busters		Renting a Home
Tourettes Syndrome		Student Finances
Unlocking your potential		Understanding Your Pay

## Vocational - Care Profession



## Access to Nursing

Academic writing skills - Part 1	Duty of care	Physiological Disorders
Academic writing skills - Part 2	End of life care	Principles of safeguarding
Are you prepared to study and write assignments?	Equality and diversity	Reflective practice
Circulatory system	Health promotion	Respiratory System
Clinical Observations - Part 1	Health, safety and security	The human tissues
Clinical Observations - Part 2	Medication - Part 1	The nervous system
Clinical Observations - Part 3	Medication - Part 2	The role of vaccinations
Communication - Part 1	Multi Disciplinary Teams	The roles & responsibilities of the registered nurse
Communication - Part 2	Nutritional Health	Understanding Psychology - Part 1
Digestive system	Person-centred care	Understanding Psychology - Part 2

# Resource Library



## Childcare L1 3

How children learn	Learning Through Play - Theorists	The factors and skills involved in a child's intellectual development
How children learn through rhymes	Learning through Science	The factors and skills involved in a child's social development
How children learn through stories	Learning through sensory play and investigation	The factors involved in a child's language development
Learning & Social Development	Revision 1	The factors that affect physical development
Learning and Emotional Development	Revision Session 2	The Physical Skills Involved in a Child's Physical Development
Learning and Intellectual Development	The adults' role in imaginative play and learning	The role of music in learning
Learning and language development	The benefits of imaginative play	The role of sensory aids in learning
Learning and Physical Development	The benefits of learning in the natural world	The role of the senses in learning
Learning in the local community	The benefits of learning through science	The skills involved in a child's language development
Learning in the Natural World	The factors and skills involved in a child's emotional development	The types of imaginative play and their role in learning



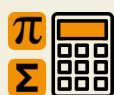
## Childcare L2 6

Areas of development	Health and Safety in an Early Years Setting	Teamwork and Effective Communication
Care Routines for Babies and Younger Children	How to Encourage Healthy Eating in Young Children	The role of the practitioner in supporting child development
Conception, fertilisation, implantation, pregnancy and birth	How to engage children using indoor environment	The Role of the Practitioner in Supporting Health and Wellbeing
Continuing Professional Development	Keeping Young Children Physically Active	Theories of Development
Different Early Years Provision	Preparing Children for School	Theories of Play
Discovering and exploring the outdoors with young children	Reflective practice	Understanding Legislation, Policies and Procedures
Early Literacy and Mark Making	Safeguarding and Child Protection	Using the Early Years curriculum framework
Encouraging Positive Behaviour	Supporting children with additional needs	What is Meant by Purposeful Play
Equality, diversity and the inclusive learning environment	Supporting Children's Wellbeing	What is Play?
Factors which affect development	Supporting Early Numeracy	Working as a Professional in an Early Years Setting



## Childcare L3 1

Bowlby and Ainsworth Theories	Kohlberg, Erikson Theories	Revision Session 2
Bronfenbrenner	Maslow	Role of practitioner
Chomsky Theories	Neurological and brain development	Routine Checks
Cognitive Development	Observation	Skinner
Conception to birth	Personal social and emotional development	Social Pedagogy
Factors during pregnancy	Physical Development	Speech language and communication development
Factors that influence development	Piaget and Vygotsky Theories	Supporting Holistic Development
Holistic Development	Planning for children	The inspecting bodies
Impact on development first year	Pre Conception Factors	Theoretical perspectives and frameworks
Jerome Bruner	Revision Session 1	Working Partnerships



## Contextualised Maths (Health & Care) 1

Area	Formulae - Order of Operations	Ratio
Converting Units	Measuring Different Averages	Rounding significant figures
Creating Scales and Charts	Percentages	Standard deviation
Direct and Inverse Proportion	Positive and Negative Number	Stem and Leaf Diagrams and Cumulative Frequency Tables
Formulae - Expression Variables and Constants	Quartiles and Boxplots	Tolerance and Interpreting Graph Scales



## Health and Care L2 (A) 1

Accident and illness reporting	Health and safety policies	Positive risk taking
Causes of infection	Health and safety responsibilities	Responding to accidents and illness
Designing a safe environment for children	Infection safety	Risk assessments
Fire Safety	Intro to health and safety	Security measures in the work settings
Food safety	Introduction to health and safety legislation	The spread of infection
Hazardous substances	Moving and handling	Work related stress
Hazards in health and social care environments	Personal protective equipment	

# Resource Library



## Health and Care L2 (B) 2

Bandura's social learning theory	Intellectual development in adolescence	Physical development in adulthood
Catell's personality theory	Intellectual development in adulthood	Physical development in early childhood
Emotional and social development in adolescence	Intellectual development in early childhood	Physical development in infancy
Emotional and social development in adulthood	Intellectual development in infancy	Physical factors affecting growth and development
Emotional and social development in early childhood	Latanè's social impact theory	Piaget's theory of cognitive development
Emotional and social development in infancy	Life events	Rogers' theory of personality
Eriksons theory of psychosocial	Life stages	Skinner's theory of operant conditioning
Eysenck's personality theory	Maslow's hierarchy of needs	The development of self concept
Factors affecting growth and development	Pavlov's theory of classical conditioning	Theories of human development
Freud's theory of psychosexual development	Physical development in adolescence	Vygotsky's social development theory



## Health and Care L3 1

Arthritis	Hypertension	The endocrine system
Asthma	Male reproductive system	The eye
Blood	Malfunctions of the ear	The heart
Cell structure and function	Muscle tissue	The kidneys
Connective tissue	Nervous tissue	The lymphatic system
Coronary heart disease	Osteoporosis	The musculoskeletal system - Bones
Diseases of the eye - Cataracts	The brain	The musculoskeletal system - Muscles
Diseases of the eye (Glaucoma and AMD)	The cardiovascular system	The nervous system
Epithelial tissue	The digestive system	The renal system
Female reproductive system	The ear	The respiratory system



## Health and Care L3 3

Abuse	Enforcing Organisational Policies & Procedures	Loss of Individual Rights - The Mental Capacity Act
Anti-discrimination in service provision	Equality & Rights in the Social Care Setting	Personal Belief, Value System & Culture, Beliefs, Events
Codes of Practise	Essential Organisational Policies & Procedures	Promoting Equality & Diversity
Committing to the care value base through communication	Groups, Stereotyping and Labelling	Protected Characteristics (Part 1)
Communication and Terminology	Introduction to Equality, Diversity and Rights	Protected Characteristics (Part 2)
Dealing with Conflict	Key Legislation for Children's Rights	Revision Session 1
Developing awareness in practise	Key Legislation for Discriminatory Behaviour	Revision Session 1
Discriminatory Behaviour	Key Legislation for People in Care Settings	The 4 Principles of Health & Social Care Ethics
Discriminatory Practises in Health and Social Care (Part 1)	Key Legislation for Sex, Race and Age	The Effect of Socialisation, Environmental Influence
Discriminatory Practises in Health and Social Care (Part 2)	Loss & Protection of Individual Rights - Human Rights & Mental Health	The Effects of Discriminatory Behaviour



## Health and Social Care - Domiciliary Care 8

Changing Support for Daily Living Tasks	Implementing Security Measures	Supporting Independence
Consent	Reducing Barriers to Communication	Supporting Individual Choice
Encouraging Active Participation	Risk Assessment	Why We Communicate
Equality and Inclusion	Support for Buying and Using Household and Personal Items	Working in an Inclusive Way
Handling Information	Support for Keeping the Home Clean and Secure	
Identifying Communication Needs	Support for Planning and Preparing Meals	

## Vocational - Catering, Hospitality & Tourism



## Catering L3 3

Attitudes and behaviours around eating and drinking sustainably	Food Preservation Methods	Menu Engineering
Centralised and Decentralised Purchasing	Food Traceability	Molecular Gastronomy
Choosing Suppliers	Food Transportation	Organoleptic Properties of Food and Drink
Effects of cultural values on eating and drinking	GM Foods	Precision agriculture
EU Protected Food Name Scheme	Hazard Analysis and Critical Control Point (HACCP)	Religion and Food and Drink
Factors Affecting How and What we Eat	Hydroponics	Revision 1
Factors That Affect a Dining Experience	Introduction to Gastronomy	Revision 2
Food Additives	Matching Beer with Food	Revision 3
Food miles	Matching Wine with Food	Stock control
Food Nanotechnology	Media Influence on Eating and Drinking - Television	Supply of Commodities

# Resource Library



## Contextualised Maths (Catering)

Averages	Geometry and area	Tables and Charts
Charts	Measurements	Times and Dates
Decimals	Negative numbers and temperature	Usinf Formulae
Estimating and rounding	Percentages	Volume
Fractions	Ratio and Proportion	Weight



## Hospitality & Catering L2

Contract Service Providers	Hospitality Industry Introduction	Responsibilities in the workplace
Control measures for safety	Hotels	Restaurants
Costs and Revenue	Hotels and accommodation	Revision 1
Cuisine	Identifying risks to safety	Revision 2
Employee Responsibilities in the workplace	Industry Scope and Scales	Roles and responsibilities of EHO
Event Management	Maintaining Standards	Services
Food Poisoning	Membership Clubs and Functions	Staff
Food related causes of ill health	Operation Processes	Suppliers
Food relates causes of ill health - part 2	Products	Symptoms of food poisoning
Food safety law	Public Houses and Bars	Vending Machines and mobile catering



## Hospitality & Catering L3

Accommodation Operations	Equality issues within the hospitality industry	Kitchen Heirarchy and Structure
Characteristics of an effective team	Equality issues within the hospitality industry	Legislation
Classification System of Hotels	Fair Trade	Microbiology and food safety
Classification System of Hotels	Food and beverages service	Microbiology and food safety
Customer Care	Front Office	Professional Organisations
Emerging trends and science gastronomy	Health and Safety Introduction	Professional Organisations
Entrepreneurship	Health and Safety Introduction	Sustainability and the carbon footprint of food
Entrepreneurship	Human Resources	Technology
Entry into and progression in hospitality	Human Resources	Technology
Entry into and progression in hospitality	Kitchen Heirarchy and Structure	The meal experience-menu engineering and planning



## Travel and Tourism L2

Accommodation	Play and Activity Based Leisure	Travel and Tourism Sectors
Adventure Travel	Sport and Physical Recreation	Travelling by Air
Ancillary Services	Sustainable Tourism	Travelling by Rail
Art and Entertainment	The Leisure Industry	Travelling by Road
Countryside Recreation	The Role of Consumer Technology	Travelling by Sea
Ecotourism	Tour Operators	Types of Tourism
Food and Drink	Tourism and the UK Economy	Types of Travel
Health and Wellbeing Travel	Tourism development and Promo	Vertical and Horizontal Integration
Home Based Leisure	Trade and Professional Bodies	Visitor Attractions
Passenger Transport	Travel Agents	Voluntourism



## Travel and Tourism L3

Airports	Environmental concerns	Terrorism
Ancillary services	Health warnings	Tour operators
Booking, products and independent travellers	Holiday frequency and holiday home ownership	Tourism development and promotion
Component industries	Lower spending in EU destinations	Trade associations and governing bodies
Component industries 2	Natural disasters and environmental issues	Transport developments
Core components	Promotion and tourist information	Travel agents - business travel
Cost of travel	Regulations	Travel agents - retail
Domestic and incoming tour operators	Revision	Trends and factors
Economic factors	Technological advances	Types of tourism
Economic growth	Technological developments	Visitor attractions

# Resource Library

## Vocational - Engineering & Motor Vehicle



### Electric Vehicles 8

Basic Electrical Principles Part 1	Motor Construction	
Basic Electrical Principles Part 2	Removing and refitting high and low voltage components	
Battery Technology	Roadside Assistance	
Electric Vehicle Classifications and Configurations		
HEV and EV Specific Systems		
Hybrid Vehicle Classifications and Configurations		



### Engineering L2 1 (refreshed Nov 2021)

Choosing Materials	Lean Manufacturing	New Technologies
Circuits and Circuit Diagrams	Machining	Printed Circuit Boards
Composite Materials	Material Processing	Renewable Energy
Computer Aided Manufacturing - CAD, CAM and CNC	Maths for Engineers - Analysing Data	Robots in Modern Production
Engineering Sectors and Products	Maths for Engineers - Area and Volume	Scales of Production
Fabricating	Maths for Engineers - Units of Measurement	Sheet Metal
Fault-Finding and Maintenance	Metal Extraction	Smart Materials
Forces and Moments	Minimising Waste	Sustainably Engineered Products - Smartphones
Forming - Casting and Forging	Modern High-Performance Materials	Working Safely in Engineering - Part 1
Fundamental Electrical Engineering Principles	Motion and Newton's Laws	Working Safely in Engineering - Part 2



### Engineering L3 (A) 1

AC Theory - Components	Energy, Power and Efficiency	Newton's laws of motions
AC Theory - Series and Current	Equilibrium	Rectifiers and PSU
Capacitors	Equilibrium continued	Resistance and Ohms Law
Conservation of Energy	Introduction to Phasors	Resistor Networks
CR Networks	Introduction to vectors	Resistors
Current, Charge and Electricity	Kinetics	Shear loading
Diodes	Kinetics and gravity	SS beams
Dynamics	Kirchoff's Laws	Stress and strain
Elasticity	Magnetism	Vectors
Energy	Moments	Waveforms in Electronic Engineering



### Engineering Principles L3 3

Angular Parameters Part 1	Factorisation	Mechanical Principles Revision Session Part 2
Angular Parameters Part 2	Fluids in a Narrowing Pipe	Mechanical Principles Revision Session Part 3
Application of vectors	Forces on a Submerged Surface	Quadratic Equations
Arc Length and Area	Function of sine, cosine and tangent part 1	Radians
Archimedes Principle	Function of sine, cosine and tangent part 2	Revision Session Mathematics Part 1
Areas and Surface Areas	Indices	Revision Session Mathematics Part 2
Dynamic Forces and Friction	Lifting Machines	Sine and cosine rules
Electrical Principles Revision Session Part 1	Linear Equations	Thermodynamics Part 2
Electrical Principles Revision Session Part 2	Logarithms	Thermodynamics
Exponential Growth	Mechanical Principles Revision Session Part 1	Volumes



### Engineering L3 6

Common Engineering Processes - Bench Fitting	Factors Affecting the Performance of Teams in Engineering	Preparation for Batch Production or Service Delivery
Common Engineering Processes - Disassembly and Servicing	Ferrous Materials	Principles of Engineering Drawing - Dimensioning and Tolerances
Common Engineering Processes - Electrical Connections	Health and Safety - COSHH	Principles of Engineering Drawing - Drawing Conventions for Surface Finishing
Common Engineering Processes - Fabrication	Health and Safety - Manual Handling	Principles of Engineering Drawing - Electrical Circuits and Symbols
Common Engineering Processes - Forming	Health and Safety Risk Assessment	Principles of Engineering Drawing - Lettering Symbols and Abbreviations
Common Engineering Processes - Machining	Introduction to technical product documentation and specification	Principles of Engineering Drawing - Orthographic Projection and Title Blocks
Engineering Health and Safety - Personal Protective Equipment	Managing Health and Safety - Part 1	Principles of Engineering Drawing - Types of Engineering Drawings
Engineering Health and Safety - PUWER	Managing Health and Safety - Part 2	
Factors Affecting Productivity in Engineering - Humans	Manufacturing Engineering Processes and Services	

# Resource Library



## Motor Vehicle L2

Accident prevention	Good Housekeeping	Materials and Properties
Basic first aid part 1	Hand Tools	Measuring tools used by technicians
Basic first aid part 2	Hand Tools - Part 2	Occupational health
Caring for tools - Fixing devices	Health and safety legislation - first aid	Procedures & Processes
Communication in the workplace	Health and safety regulations under HASAWA - management at work	Revision session 1
Control of substances hazardous to health (COSHH) regulations 2002	Health and safety regulations under HASAWA - manual handling	Revision Session 2
Diagnostic Equipment - Measuring	Health and safety regulations under HASAWA - PPE	RIDDOR
Documenting	Health and safety regulations under HASAWA - PUWER and DSE	Safety in the industry legislation - pressure systems and noise
Environmental protection act	Health and safety regulations under HASAWA - workplace regulations	Safety in the industry legislation - working at height and lifting
Fire Prevention and Control	Introduction to the motor vehicle industry and health and safety	Structure; Job roles



## Motor Vehicle L3

A Guide to Testing Sensors	Electronic Stability Program Systems	Sensors and Actuators
ABS Fault-Finding	Engine Management Systems	Steering Systems and Wheel Alignment
Automatic Transmission Torque Converter	Engine Misfire Fault-Finding	The Eight-Step Diagnostic Procedure
Braking Systems	Fault-Finding Tools	Tyres
Coolant and Fuel Pressure Testing	Power Generation in Hybrid Cars	Vehicle Lighting
Electrical Resistance	Practical Tyre Handling - Part 1	Wheel Bearings
Electrical Symbols Components and Circuits	Practical Tyre Handling - Part 2	

## Hair and Beauty



## Beauty L3

Appendages of the Skin and Hair Growth	Digestive System	Skin - Functions-Layers
Appendicular skeleton	Endocrine system	Skin disorders and diseases
Arteries	Lymphatic System	Structure of Nails
Blood	Muscles	Subject Review
Bones and Joints	Muscles - How They Work	The axial skeleton
Bones and Muscles - Lower-Arms-Hands	Muscles and Bones - Lower-Legs-Feet	The heart
Bones of the face, neck and shoulders	Nail Disorders and Diseases	Urinary system
Cell Structure	Olfactory system	
Central nervous system	Respiratory system	



## Contextualised Maths (Hair and Beauty)

Addition	Fractions Part 2	Percentages
Angles, Models & Shapes	Graphs Charts & Diagrams	Ratios
Decimals	Median Mode Range	Subtraction
Division	Multiplication	Tables
Fractions Part 1	Number Exercises	Weights and Measures



## Hair and Beauty L2

Conducting Risk Assessment	H&S Review	Personal Protective Equipment
COSHH	H&S Review 2	Preventing Infection
Dermatitis	H&S Review 3	PUWER
Electricity at Work	H&S Signs Quiz	RIDDOR
Employer & Employee Responsibilities	Hazards & Risk	Risk Assessment
Finding H&S Information	Health & Safety Terminology	Safe Work Routines
Fire action	Health and Safety Regulations	Signs and Signage
Fire Safety	Manual Handling	Skin Tests
First Aid	Measuring liquids and chemicals	Using Products Safely
General Salon Hygiene	Personal Health & Hygiene	Work-Life Balance

# Resource Library

## ICT and Business



### Business L2 1

Business Functional Areas	Internal Stakeholders	Staffing and finance
Business ideas	Justifying and selling the idea	Staffing plans
Business Influences	Legal Considerations	Start up costs and cash flow
Business Plan	Means of delivery	Targeting Customers
Business Structures	Measures of success	The Business Environment
Competitors as Stakeholders	Resources material and equipment	The make or buy decision
External Stakeholders	Resources Premises	Trends
Factors affecting success or failure	Size and type of business	Types of business
Finding Information	SMART Objectives	Types of business - limited companies
How Marketing affects the business	Solutions to customer needs	Vision mission and values



### Business L3 6

An introduction to Business Ethics	Income and Expenditure	Performance Appraisals
Break-Even Analysis	Management and Leadership	Planning for a Business Event
Building Effective Teams in Business Part 1	Managing Human Resources - Part 1	Recruitment and Selection Processes
Building Effective Teams in Business Part 2	Managing Human Resources - Part 2	Roles and Skills of an Event Organiser
Cash Flow Forecasts and Financial Documents	Managing Personal Finance Part 1	Sources of Finance
Conducting a Marketing Audit - PESTLE and SWOT	Managing Personal Finance Part 2	The Ansoff Strategy and Market Planning
Effective Leadership in Business	Market Research	The Importance of Recruitment and Selection
Exploring Business - Part 1	Market Segmentation	The Marketing Mix – Price and Promotion
Exploring Business - Part 2	Monitoring Business Performance Part 1	The Marketing Mix - Product and Place
Exploring Ideas for a Micro-Business Setup	Monitoring Business Performance Part 2	Training Analysis and Provision



### Business Level 3 - Working in Business 4

Arrangement of business meetings	Document content protocols	Meeting documentation
Authority Protocols	Employment contracts	Methods of communication
Business documents - employee documents	Equal opportunities legislation	Organisational structure
Business documents - transaction documents	Factors that influence task prioritisation	Payment methods
Business travel arrangements	Financial documents - bank statements	Printed communication
Characteristics of business communication	Financial documents budget variance	Prioritising business tasks
Checking protocols	Financial documents payslip	Professional etiquette
Conference documentation	Health and Safety legislation	Recruitment documentation
Confidentiality protocols	IT security protocols	Revieng business communications
Controls on advertising	Marketing documentation	Using information to inform prioritisation

### Business L3 - The Business Environment 1

### Business L3 - Introduction to Marketing 1

Business Environment	Consumer and Customer
Business Ownership	Introduction to Marketing
Changes in Supply and Demand	Law - Sale of Goods and Data Protection Act
Core Aims and Objectives of a Business	Law Consumer Protection
Factors that Influence Demand	Market Segmentation
Factors that Influence Supply	Marketing Research
Functional Areas of Business	Marketing Strategies
Influences on Strategic Planning	MM Place
Organisational Structure	MM Price
PESTLE Legal Factors	MM Product
PESTLE Political Factors	PESTLE Marketing Planning
PESTLE Social Factors	Promotion
Stakeholders	Revision Session
Strategic Planning Process	SWOT and SMART
The Business Environment	The Marketing Mix



# Resource Library



## Computing L3

An introduction to networks	Factors affecting choice of hardware	Personal Computers
Application software	Factors affecting choice of user interface	Processing data - aggregation, analysis and conversation
Collecting data using hardware and software	Factors affecting use and performance of operating systems	Revision session 1
Computer Hardware and Software	Factors effecting choice, use of internal components	Revision session 2
Computer input and output devices	File systems	Secondary storage and data redundancy
Computer output devices	Mobile devices	Servers
Computer systems for data processing	Multi-Functional Devices	Sharing data
Controlling and managing system components and tasks	Network Security	Testing data systems and terminology
Data backups and security	Open source software	The purpose and functions of a database
Database design and implementation	Operating Systems	Utility software



## Contextualised Maths (Business)

Creating sales, charts and scatter charts	Order of operations (formulae)	Rounding and foreign exchange calculations
Direct and Inverse Proportion	Positive and negative numbers	Simple compound interest for loans and mortgages
Formula	Probability	Standard Deviation
Income Tax and NI Contributions	Quartiles Quartile ranges and boxplots	Stem and Leaf diagrams and cumulative frequency
Measuring different averages and ranges of data	Ratio	Working with percentages



## Digital Skills

Getting Connected to the Internet	Getting Started: Using a Smartphone for Entertainment	Learning More: Formatting Documents Using a Word Processor
Getting Started with a Touch Screen Device	Getting Started: Using Online Banking	Learning More: Identifying and Solving Technical Problems
Getting Started with Spreadsheets	Getting Started: Using Online Services	Learning More: Online Identity
Getting Started: Being Safe Online	Getting Started: Using Social Media	Learning More: Online Learning Options
Getting Started: Creating and Editing Documents Using a Word Processor	Getting Started: Using Video Calling	Learning More: Recognising Online Dangers
Getting Started: Online Job Hunting	Getting Started: Using Your Computer	Learning More: Searching Websites
Getting Started: Searching the World Wide Web	Learning More: Accessibility on Devices	Learning More: Sharing your Online Data
Getting Started: Setting Up and Using Emails	Learning More: Analysing Data Using a Spreadsheet	Learning More: Storing and Managing Online Data
Getting Started: Setting Up Your Desktop	Learning More: Creating Charts Using a Spreadsheet	Learning More: Taking Photos with your Smartphone
Getting Started: Shopping Online	Learning More: Creating Presentations	Understanding Digital Devices



## Digital Marketing and Social Media

An introduction to mobile social media	Digital Vouchers	Online Display Advertising
An introduction to SEO and SMO	Influencers and digital marketing	Sales Funnels
Artificial intelligence and digital marketing	Introducing analytics	Selecting Social Media Channels
Augmented Reality and Digital Marketing	Introducing Search Engine Marketing	Shoppable content in digital marketing
Building a Brand for Social Media	Live Digital Marketing	Social media and risk management
Campaigns for social networking sites	Making Sense of Metrics	The legal side of marketing
Content collaboration in digital marketing	Making the most from a CMS	Understanding a business environment
Conversational Marketing	Marketing in the metaverse	What is a CMS?
Copywriting for Different Platforms	Marketing segments and making strategies	What is Email Marketing?
Customer Relationship Management in digital marketing	Mobile content and viral marketing	What Makes a Marketing Strategy?



## Digital Technologies L3

Access control and methods	Infrastructure and physical technology systems	Revision session - access control, threats and countermeasures
Access control challenges and threats	Logical and physical access control	Security vulnerabilities associated with storage media
Access control threats and counter-measures	Malicious code, malware and countermeasures	The importance of information security
Cryptography addresses	Protecting against malicious code and malware	Types of cryptographic algorithms
Information security threats	Protecting physical and virtual resources	User risks and threats to access control

# Resource Library



## Enterprise L2 1

Are you ready to be an entrepreneur?	Entrepreneurial Mind-set	Networking
Business Monitoring	Finance Start Up	Overcoming Failure
Business Success	Generating Ideas	Prioritising
Characteristics of an Entrepreneur	Goals	Recognising Trends
Communication	Identifying personal strengths and weaknesses	Recruitment and training
Communication Types and Effectiveness	Introductions	Reflect on personal performance
Decision Making	Leadership	Risk
Delegation	Maintaining Momentum	Skills
Developing Leadership Skills	Marketing through Social Media	Stakeholders
Entrepreneur round up	Negotiation	Stress



## ICT L2 3

Analogue and digital data - Binary	Internal components of a computer part 2	Revision Session 1
Analogue and digital data ASCII	Internal components of a computer part 3	Revision session 2
Automated systems and other devices	Key terms 1	Revision session 3
Binary key terms and practice	Key terms 2	Software - productivity installation upgrades
Computer networking	Key terms 3	Software - software and operating systems
Developing systems and identifying issues	Key terms 4	Technology systems in different sectors
External components of a computer	Networking and staying safe	Transferring data
Hardware devices	Planning a program	Transferring data part 2
High and low level programming languages	Program design - flow charts	Writing programs Programming Terms Part 2
Internal components of a computer part 1	Programming concepts	Writing programs, programming terms part 1



## IT and Software Development L2 2

An introduction to computer programming	Introduction to the software development cycle	Software design techniques
Consistency & standardisation in programming	Reasons for choosing a language	Software development lifecycle part 2
Documentation	Software design – DFD & ERD	Testing activities
Features of languages	Software design - Unified Modelling Language (UML)	The purpose of Software Development in Business
Health and safety	Software design algorithms	Types of programming languages



## T-Level - Digital Production, Design and Development 8

Algorithms	Emerging Trends and Technologies AR and VR	Program Data and Operators
Computational Thinking	Emerging Trends and Technologies Artificial Intelligence	Program Structure
Computer Misuse Act	Emerging Trends and Technologies The Internet of Things	Technical Change Management
Data and information	File Handling in Python	Testing Software
Data Management	Functions Procedures Sorting and Searching in Python	The Risks of Digital Technologies
Data Systems	Moral and Ethical Issues	The Value of Digital
Data types and formats	Networks	Validation and Errors
Digital Applications in Business	Physical Environments	Workplace Monitoring

## Vocational - Media & Arts



## Art and Design L2 2

Analytical drawing techniques	Formal elements - line, shape, form and tone	Introduction to product design
Art history	Formal elements - texture, pattern and composition	Introduction to textiles
Art History - Graphic design part 1	Health and safety	Introduction to visual arts
Art History - Graphic design part 2	How to analyse an artist's work	Introduction to woodcraft
Art History – Postmodernism	How to record artwork	Responding to a client brief and resources of information
Art movements 1	Introduction to ceramics	Responding to stimuli
Art movements 2	Introduction to glasswork	Revision session - specialist pathways
Design principles	Introduction to graphic design	Revision session 1
Experimentation and sampling	Introduction to metal craft	Understanding and working to a client brief
Formal elements - colour	Introduction to photography	What is Art?

# Resource Library



## Esports L3

Developing a Career in Esports	Health, Wellbeing and Fitness	Preparing for Shoutcasting
Esports Analysis	Introduction to Esports	Shoutcasters and Hosts
Esports as a Sport	Live-Streamed Broadcasting	Skill, Strategy and Teamwork
Esports Teams	Live-Streamed Broadcasting - Technical Aspects	Success in Esports
Genres in Esports	Micro, Macro and Meta	Who Plays Esports?



## Esports L2

Being Successful in Esports	Esports Events	Global Esports
Branding and Esports	Esports Genres	Introduction to Streaming
Esports and Mental Health	Esports Leagues	Running a Stream
Esports Enterprises	Esports Tournaments	Understanding Branding
Esports Event Management	Genre-Specific Skills and Strategies	Understanding Esports Tiers



## Media L3

Analysing data	Genre representations and narrative in media	Media regulators BBFC (04/05)
Analysing media part 1	Independent organisations in the media	Media regulators Ofcom (04/05)
Analysing media part 2	Introduction to media industries	Owning and organising media
Audience needs	Key terms	Production phases and processes Part 1
Building audience profiles	Key terms 2	Production phases and processes Part 2
Case studies: Copyright cases	Market possibilities	Purpose of research
Case studies: Market possibilities	Marketing and advertising	Research methods – part 1
Case studies: Ofcom	Mass versus niche media	Research methods- part 2
Copyright concerns (04/05)	Media effects - Part 1	
Distribution and convergence	Media effects - Part 2	

## Sport & Public Services



## Public Services L2

Anti-Discrimination	Human Rights and Public Services	Promoting good citizenship
Aspects of Citizenship	Impact of Public Services on Society	Responsibilities of citizens
How Surveillance is Used by Different Public Services	Individual Rights - Equality and Discrimination	Responsibilities of public services employees
Codes of Practice, Values and Standards	Individual Rights - Your dignity	Revision session
Discrimination	Inequality	Rights within the criminal justice system
Equal Opportunities	Impact of the Growth of Information and Communications Technology	Safety responsibilities of employers
Good Citizenship	Positive and Negative Aspects of Government Policy	The Cost of equal opportunities
How public services are affected by changes in society	Public Services affected by finances and social inequality	The Cost of Public Services
How Public Services meet the needs	Public services and equality	The Impact of change in society
Human Rights	Public Services and legislation	Why Public Services are in Place



## Public Services L3

Affordable housing policy - case study	Formal Legislative Procedures	Preparing for a debate in the House of Commons 1
Care Quality Commission	Government policies - funding cuts	Preparing for a debate in the House of Commons 2
Central Government	HM Inspectorates	Public inquiries and their effect on Government policy
Civil disobedience	Home Office	Representation from outside Government
Clean Air Strategy - Case Study	Independent Police Complaints Commission	Revision Session 1
Declaration of War	Introduction to Levels of Government	Revision Session 2
Devolved Parliaments	Local Authorities	Social responses to Government policies
Election Campaigns	Migration - case study	The role of Government committees in creating policy
Election Processes	Ministry of Defence	The role of Government Departments in creating policy
European Parliament	Ministry of Justice	UK Government policies that affect all the public service

# Resource Library



## Public Services L3 8

Additional Careers with the Public Services	Emergency Services and Incident Response	Public Service Portrayals in the Media
Approaches to Reduce Crime and Disorder	Environmental Policies and Practices	Rights and Responsibilities of Employees
Authority in the Public Services	Extended Research for Public Service Roles	Rights and Responsibilities of Employers
Career Planning for Public Services	Fitness Requirements for Uniformed Public Service Roles	Security Roles and Responsibilities in Public Services
Citizenship and Diversity	Government Policies and Public Services	Styles of Leadership and Team Development
Court Structures and Systems	Government Structures, Levels and Elections	Technology Systems in the Public Services
Crime Victim and Witness Support	Human Rights Within the UK	Terrorism, Conflict and Public Services
Criminal Trial Proceedings	Legislation, Sentences and Orders	The Impact of Crime on Communities
Data Interpretation	Police powers in public service roles	Voluntary Work in Public Services
Delivery and Management of Social Welfare Services	Preparing for Major Incidents	What is the Social Welfare System



## Sport L2 1

Additional fitness training principles	Exam Revision 1	Power and strength testing
Additional requirements for each training method	Exam Revision 2	Skinfold testing
Aerobic endurance testing	Fitness for Sport and Exercise	SMART Targets
Aerobic endurance training	Fitness testing	Speed and agility testing
Applying the principles of training	Flexibility testing	Speed training
Body composition testing	Flexibility Training	Superstars Skill Related Fitness
Circuit Training	Free Weights	Types of training
Components of Physical Fitness	Importance of Components	Understanding Exercise Intensity
Components of Skill related fitness	Introduction to fitness testing	Understanding fitness components
Different training methods	Muscular endurance testing	Understanding basic principles of training



## Sports L3 (A) 1

Adaptations of energy systems	How muscles work	Responses of the cardiovascular system
Adaptations of the Cardio System	Joints and their functions	Structure and functions of muscles
Breathing control	Joints of the body	Structure of the Cardiovascular System
Exam Revision 1	Lactate energy system	Structure of the skeleton
Exam Revision 2	Lung volumes	The Aerobic System
Exam Revision 3	Movement	The Energy System
Factors affecting energy systems	Muscle fibres	The lactate system
Function of the respiratory system	Muscular adaptations	Understanding the ATP system
Functions of the Cardio System	Nervous Control of the Cardio System	
Functions of the skeletal system	Response of the respiratory system	



## Sports L3 (B) 2

Additional fitness training principles	Effects of a balanced diet on health and well being	Interpreting results of health monitoring tests
Aerobic endurance training	Energy balance	Lifestyle factors - alcohol
Agility training	Energy measures	Lifestyle factors - smoking
Balance, coordination and reaction time training	Ergogenic aids	Lifestyle factors - stress
Balanced diet - eatwell guide	Fitness periodisation	Muscular strength training
Basic fitness training principles	Fitness training programme design	Power training
Components of a balanced diet	Flexibility training	Revision session
Components of physical fitness	Health Monitoring Test (BMI and waist to hip ratio)	Speed training
Components of skills related fitness	Health monitoring tests RHR, BP and LF	Sports drinks
Core stability training	Health screening process	The effects of exercise and physical activity

# Resource Library

## Vocational - Trade Profession



### Brickwork and Carpentry L2 2

Collared and Double Roofs	Foundations starting at the beginning	Revision Set 2 - Sustainability
Communication - Job Roles	Information Sources Part 1	Revision Set 3 - Roofs and Floors
Communication - Ordering Supplies	Information Sources Part 2	Revision Set 4 - Internal and External Walls
Communication and Information	Information Sources Part 3	Roof Components
Communication and Information part 2	Information Sources Part 4	Roof Construction - Flat Roofs
Communication and Information part 3	Internal and Part Walls	Roof Construction - Flat Roofs 2 Insulation
Coupled Roofs	Lean-to Roofs	Roof Construction - Flat Roofs 3 Waterproofing
Eco-Efficiency P3 - Renewable Energy	Materials - Blocks the Basics	Roof Coverings
Eco-Efficiency Part 1 Solar Power	Materials - Brick the Basics	Setting out foundations Part 1
Eco-Efficiency Part 2 Passive Solar Design	Materials - Brickwork Bonds	Setting out foundations Part 2
Eco-Efficiency Saving Water - Harvesting Water	Materials - How Bricks are Made	Solid Floors
Energy Efficiency - Heat Transference	Materials - Intro to Mortar	Suspended Concrete Floors
Energy Efficiency - Roofs and Lofts	Materials - Mortar Admixes	Suspended Timber Floors
Energy Efficiency - Walls and Floors	Materials - Render	Timber Construction
Environmentally Friendly Materials - FSC Timber	Materials - The Purpose of Mortar	Timber Upper Floors
Exterior Wall Construction	Materials for foundations	Timber Wall Construction
Factors affecting foundations part 1	Other Roofs and Terminology	Trussed Roofs
Factors affecting foundations part 2	Protecting the Natural Environment Part 1	Types of foundation
Floor Construction Introduction	Protecting the Natural Environment Part 2	Understanding communication in the workplace
Flooring Calculations	Revision Set 1 - Foundations	Walls - External Introduction



### Construction, Carpentry and Brickwork (L3) 7

Arches	Information in the Workplace	Staircases with turns
Brickwork Arches	Internal and External Walls	Sustainable Construction
Causes of Timber Deterioration and Decay	Non-Standard Doors	Tenders and Quotes
Chimneys, Fireplaces and Flues	Openings in Roof Structures	Three-Dimensional Drawings
Decorative Brickwork Features	Planning Permission and Building Control	Windows
Effective Communication	Project Management	
Floors	Repairing Masonry Structures	
Foundations	Repairing Timber	
Guttering and Downpipes	Roofing Structures and Components	
Health and Safety in Construction	Special Bricks	



### Contextualised Maths (Construction) 1

Advanced fractions	Fractions	Proportions
Algebra basics	Indices	Ratio
Calculating area	Measurement conversion	Rounding
Converting currency	Perimeter of shapes	Standard form
Decimals to percentages	Powers of 10	Weights and measures



### Electrical Installation L2 6

Accidents at work	Fire safety	Risk assessment
An electricians toolkit	First aid at work	Roles and responsibilities in health and safety
Asbestos	Health and safety legislation part 1	SI units of measurement
Conductors and insulators	Health and safety legislation part 2	Technical information used in electrical work
Conduit installations	HSE inspections	Terminating and connecting conductors
Data cables	Lighting circuits	Trunking installations
Diagrams and drawings part 1 - graphical symbols	Main roles of the construction team	Types of diagrams and drawings
Diagrams and drawings part 2 - scale drawings	Manual handling	Types of safety sign
Electric shock	Personal protective equipment	Warning symbols for hazardous chemicals
Emergency procedures	Portable electrical appliance testing	Working at height

# Resource Library



## Electrical Installation L3

A Sustainable Future - The Reasons For Change	Environmental Technologies for Heating - Heat Pumps	Sources of Energy - Wind
Building regulations and the code for sustainable homes	Lights and Lamps	The Construction Team
Circuits and Circuitry	Mathematical Concepts for Electrical Installers	The Electrical Team
Conduits and Trunking	Overcurrent Protection	Work Site Preparations
Determining Competence	Principles of Illumination	Working Communication - Part 1
Determining Competence	Protecting the Environment - Part 1	Working Communication - Part 2
Eco-Friendly Electrical Technologies and Installations	Protecting the Environment - Part 2	Working with Technical and Work Related Information - Part 1
Emergency Management Systems	Sources of Energy - Geothermal	Working with Technical and Work Related Information - Part 2
Environmental Technologies - Combined Heat and Power	Sources of Energy - Hydrogen	Working with Waste and the Environment
Environmental Technologies & The Local Authority	Sources of Energy - Solar	
Environmental Tech for Heating - Bioenergy & Biomass Boilers	Sources of Energy - Water	



## Plumbing L2

Accurate measurement & pipe bending	Insulation in Plumbing Systems	The Properties of Plastic Plumbing Materials
Capillarity & the effects on different materials	Introduction to Central Heating	The Siphon
Central Heating Systems Part 2	Plumbing L2 - Revision 1	Tools & Equipment for Pipe installation
Corrosion Oxidation & Degradation of Metals	Plumbing L2 - Revision 2	Types of plumbing fittings
Degradation of Plastics	Plumbing L2 - Revision 3	Types of Water
Electrical Power Generation	Plumbing Materials - Properties of Metals	Units of measurement
Electricity P1	Plumbing Materials – The types of metals	Velocity Pressure and Flow Rate in Plumbing
Electricity P2 AC-DC	Pressure	Water & the Effects of Temperature
Gasses used in the Building Sector	Principles of safe combustion	Water Treatment
Heat transfer - Conduction Convection Radiation	Specific Heat Capacity	Working with Fittings



## Plumbing & Gas L3

Avoiding conflict	Leading the project part 1	Risk assessments part 2
Building and effective team	Leading the project part 2	Self-motivation and motivating the team
Building services engineering	Method statement	Starting out with effective communication
Communication and why it fails	Personal safety equipment for plumbers	Starting to plan and organise work
Construction trades - risky business	Problem solving and decision making	Supervising the plumbing team
Creating work programmes part 1	Revision session 1	Supervision and supervisory skills
Creating work programmes part 2	Revision session 2	The BSE Businesses, people and their roles
Customers and contracting clients	Revision session 3	Understanding effective communication
Health and safety	Revision session 4	Variation orders
Implementing health and safety policy in your work	Risk assessments part 1	Working together as a team

## Vocational - Other



## Animal Care L2

Animal checks - pulse and respiration	Faecal consistency and colour checks for rabbits, goats, chickens and bearded dragons	The roundworm, an internal parasite
Animal checks - temperature	Food and water consumption and general appearance	The tapeworm, an internal parasite
Animal checks - weight and diagnostic	Introduction to animal health checks	The tick, an external parasite
Behaviour and temperament checks for cats and rabbits	Myxomatosis	Weekly physical checks for bearded dragons
Behaviour and temperament checks for dogs	Posture, movement and urine colour visual checks	Weekly physical checks for cats
Behaviour and temperament checks for goats, chickens and bearded dragons	Revision 1	Weekly physical checks for chickens
Dermatophytosis	Revision 2	Weekly physical checks for dogs
Disease causing microorganisms	Salmonellosis	Weekly physical checks for goats
Disease prevention	The flea, an external parasite	Weekly physical checks for rabbits
Faecal consistency and colour checks for dogs and cats	The mite, an external parasite	Zoonotic and notifiable diseases

# Resource Library



## Geography A-Level 4

Arid landscape development in contrasting settings	Introduction to Deserts	Sources of energy in coastal systems
Biodiversity	Introduction to natural hazards	Storm hazards
Carbon Stores	Land biomes	Systems and processes in deserts
Coastal sediment	Landscapes of coastal deposition	Systems in Physical Geography
Coasts as natural systems	Landscapes of coastal erosion	The Carbon Cycle
Desertification	Landscapes of glacial deposition	The nature and distribution of cold environments
Drainage Basins	Landscapes of glacial erosion	Volcanic hazards
Ecosystems	Periglacial landforms	Water biomes
Fluvioglacial landforms	Plate tectonics	Water Stores
Glacial systems	Seismic hazards	Wildfire hazards



## Psychology A-Level 4 Cymraeg

Approaches in psychology: behaviourist approach	Biopsychology: function of the endocrine system	Memory: types of long-term memory
Approaches in psychology: biological approach	Biopsychology: localisation of function in the brain	Social influence: conformity to social roles
Approaches in psychology: cognitive approach	Biopsychology: structure and function of sensory, relay and motor neurons	Social influence: explanations for conformity
Approaches in psychology: comparison of approaches	Biopsychology: ways of studying the brain	Social influence: explanations for obedience
Approaches in psychology: humanist psychology	Memory: explanations for forgetting	Social influence: explanations of resistance to social influence
Approaches in psychology: psychodynamic approach	Memory: factors affecting the accuracy of eyewitness testimony	Social influence: minority influence
Approaches in psychology: social learning theory	Memory: improving the accuracy of eyewitness testimony	Social influence: obedience and the work of Milgram
Biopsychology: biological rhythms	Memory: Revision Session	Social influence: the role of social influence processes in social change
Biopsychology: division of the nervous system	Memory: the multi-store model	Social influence: types of conformity
Biopsychology: fight or flight response	Memory: the working memory model	Social influence: variables affecting conformity



## Science L3 1

Accident and illness reporting	Hazard Symbols	Risk Assessment
Centrifuges	Health and safety at work act	Safe handling of solvents
Chromatography	Keeping a lab book	Scientific terminology
Colourimeters	Lab design	Specialist lab - histopathology
Communication in the lab	LIMS	Standard solutions and serial dilutions
COSHH	Pathogens	Storage and waste disposal
Distillation	PPE	Titration
Electrophoresis	Radioactive substances	Using a microscope
Fume Cupboards	Regulations and legislations	Using glassware
Handling microbiological cultures	RIDDOR	



## Sociology A-Level 4

Conceptions of culture	Macro Micro Approach	Religion as a conservative force
Disability	Marketisation	Research methods- positivism and interpretivism
Explaining Male Offending	Marxism	Role of health professionals
Feminist perspectives	Material deprivation v Cultural deprivation	Sampling methods
Functionalism	Mental illness	Social construction of health and illness
Globalisation	Nature Nurture	Statistics
Globalisation applied to Sociology	Post Modernism and Family	Symbolic Interactionism
Health inequalities	Postmodernism	The Correspondence Principle – Bowles & Gintis
Interviews in Sociology	Questionnaires	The sick role
Is Sociology a Science	Realism	Understanding Globalisation

# Resource Library

## Bespoke Video Resources - Stand-alone bespoke video resources



### Bespoke Video Resources

Animal Care x 10	Hair L3 x 5	Performing Arts x 10
Catering x 10	Life Skills x 128 (see below for title list)	Public Services x 10
Childcare L3 x 10	Massage L2/L3	Science x 10
Construction x 10	Maths x 9	Sport L3 x 12
Engineering x 9	Media Make Up x10	
Creative Media x10	Motor Vehicle x 9	



### Life Skills Videos

01- CV Presentation	11- Types of Commun+A44:A86ication	21- Fitness
01- CV Writing Style	11- What is Communication	21- Increasing Physical Activity
01- Using Your CV	12- Alcohol	21- Physical and Mental Health
01- What is a CV	12- Being-safe-around-drugs-and-alcohol	21- The Benefits of Exercise
01- What should a CV include	12- Drugs-that-harm-us	21- Understanding Exercise
02- Education, Training and Experience	12- Drugs	21- What is Health
02- Hard Skills	12- The-effects-of-bad-drugs	22- Hygiene and Food
02- Soft Skills	13- Dangers of the Internet	22- Hygiene and Self-Esteem
02- What is Employability	13- How to Spot Fake News	22- Personal Hygiene Routines
03- Protective Equipment	13- Search Engines	22- What is Hygiene
03- Staying Safe at Work	13- Using the Internet Safely	23- Dressing the Part
03- Training	13- Using the Internet	23- Formal and Informal Situations
03- Understanding Risk	13- What is the Internet	23- Looking After Your Clothes
04- Goals and Targets	14- Consequences	23- Personal Presentation
04- Qualifications	14- Difficult Choices	24- Crossing the Road
04- Skills Assessment	14- Making Good Choices	24- Public Transport
04- What is a Career	14- Thinking About a Choice	24- Staying Safe when Travelling
05- Communication and Teamwork	14- What is a Choice	24- Walking Around
05- Leadership in Teams	15- Help with Mental Health	25- Eating Healthily
05- Roles in a Team	15- Mental Health Problems	25- Equipment for Preparing Food
05- Teamwork	15- Staying Mentally Healthy	25- Finding New Ideas For Food
06- Delivering a Presentation	15- What is Mental Health	25- Staying Safe When Preparing Food
06- Designing a Presentation	16- Being Inspired	26- Best-Before and Use-By Dates
06- Giving Presentations	16- Resilience and Grit Case Study Marcia	26- Food Allergies
06- Structuring Your Presentation	16- Thinking About the Future	26- Storing Food at Home
07- Common Workplace Software	16- What is Resilience and Grit	26- Storing Food Properly
07- Digital Skills at Work	17- Ending Unhealthy Relationships	27- Cleaning Equipment
07- Passwords	17- Having a Healthy Relationship	27- Cleaning Routines
07- Using Technology at Work	17- Healthy and Unhealthy Relationships	27- Cleaning Your House
08- Getting Started With Volunteering	17- Relationships	27- Using Cleaning Products
08- The Benefits of Volunteering	18- Everything in Balance	28- Bank Accounts
08- Volunteering and Employment	18- How We Change Our Environment	28- Budgeting
08- What is Volunteering	18- Reduce, Reuse, Recycle	28- Paying for Things
09- CVs and Application Forms	18- What is the Environment	28- Savings
09- Searching for Jobs Offline	19- Building Confidence and Self-Esteem	29- Getting Help and Support
09- Searching for Jobs Online	19- Help and Support	29- Giving Back to Your Community
09- Using a Job Site	19- What Affects Confidence and Self-Esteem	29- Staying Safe in Your Community
10- On The Day of an Interview	19- What is Confidence	29- What is a Community
10- Preparing for an Interview	19- What is Self-Esteem	30- Using a Dishwasher
10- What are Interviews	20- What is discrimination	30- Using a Microwave
10- What happens in an Interview	20- What is Diversity	30- Using the Oven
11- Positive and Negative Communication	20- What is Equality	30- Washing your Clothes
11- The Importance of Positive Communication	20- Why is diversity important	



Visit our website for current information on the Consortium including colleges joined and example content.

<http://www.blc-fe.org>

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