

Hairdressing Curriculum Map



Year 10

Rationale and Links to The National Curriculum

The VTCT Level 2 Technical Award in the Study of Hair and Beauty (CO2A5) is designed to provide learners with a broad and comprehensive understanding of the hair and beauty sector. It blends academic knowledge with practical insight, preparing students for further education or entry-level roles in the industry.

This qualification is ideal for students who:

- Are interested in the creative, scientific, and business aspects of hair and beauty.
- Wish to explore career pathways in salons, spas, media, theatre, or entrepreneurship.
- Want to develop transferable skills such as communication, problem-solving, and project planning.

Key Units:

UCO90 – Business and Entrepreneurship in the Hair and Beauty Sector- Covers business structures, marketing, planning, and the economic impact of the industry.

UCO91 – Anatomy, Physiology and Cosmetic Science- Explores the biology of hair, skin, and nails, product formulation, and ethical considerations.

UCO92 – Design in the Hair and Beauty Sector- Focuses on creativity, responding to briefs, and evaluating design work.

Assessment:

60% Synoptic project (internally assessed)

40% External exam (Units UCO90 and UCO91)

This course supports progression to Level 3 qualifications or apprenticeships and nurtures both academic and vocational excellence.

Links to the National Curriculum

The VTCT CO2A5 aligns with the National Curriculum in several ways:

- **Science:** Through the study of anatomy, physiology, and cosmetic science (UCO91), students apply biological and chemical principles in real-world contexts.
- **Design and Technology:** The design unit (UCO92) encourages creativity, innovation, and evaluation—core elements of the D&T curriculum.
- **Business Studies:** UCO90 introduces learners to entrepreneurship, marketing, and business planning, supporting the aims of enterprise education.
- **Citizenship and PSHE:** Ethical issues such as animal testing and sustainability are explored, promoting critical thinking and responsible citizenship.

	Half Term 1	Half Term 2	Half Term 3
Key Topics	UCO90 Business and entrepreneurship in the hair and beauty sector LO1: Understand the structure and concept of hair and beauty businesses ➤ The definition and purpose of a business	UCO90 Business and entrepreneurship in the hair and beauty sector LO1: Understand the structure and concept of hair and beauty businesses	UCO90- LO2: Understand enterprise and entrepreneurship in the hair and beauty sector ➤ Entrepreneurship and the associated benefits

	<ul style="list-style-type: none"> ➤ Business structures and their advantages and disadvantages ➤ The scope of opportunities for hair and beauty businesses ➤ Career pathways and progression opportunities available in the hair and beauty sector ➤ The common hair and beauty services and treatments 	<ul style="list-style-type: none"> ➤ Business links and interdependencies within the hair and beauty sector ➤ The hair and beauty sector's contribution to the UK economy ➤ Legislation and working practices influencing businesses ➤ The environmental influences on hair and beauty businesses ➤ The historical development of hair and beauty industries over the last 50 years 	<ul style="list-style-type: none"> ➤ The characteristics and objectives of an entrepreneur ➤ Identifying a business opportunity ➤ Business planning <p>LO3: Understand marketing and its role in the promotion of hair and beauty products and services</p> <ul style="list-style-type: none"> ➤ The principles of marketing ➤ The factors influencing marketing objectives ➤ The marketing mix ➤ The purpose and approach to market research
Substantive Knowledge (The knowledge the students will develop)	<p>The Purpose of a Business, students will learn:</p> <ul style="list-style-type: none"> • Why businesses exist (e.g. to provide goods/services, generate profit, meet customer needs). • The difference between profit-making and non-profit organisations. • How customer satisfaction and innovation drive business success. • The role of businesses in the economy and local communities. <p>Business Structures and Their Advantages and Disadvantages, students will explore:</p> <ul style="list-style-type: none"> • Types of business ownership: sole trader, partnership, limited company, franchise. • Advantages and disadvantages of each structure: • Sole trader: full control vs. unlimited liability. • Partnership: shared responsibility vs. potential conflict. • Limited company: limited liability vs. more regulation. • Franchise: brand recognition vs. less independence. 	<p>Business Links and Interdependencies within the Hair and Beauty Sector, students will learn:</p> <ul style="list-style-type: none"> • The different types of businesses (e.g. salons, spas, barbershops, product suppliers, training providers). • How these businesses interact and rely on each other (e.g. salons depending on wholesalers, training centres supplying skilled staff). • The role of partnerships, franchising, and supply chains in the sector. <p>The Hair and Beauty Sector's Contribution to the UK Economy, students will understand:</p> <ul style="list-style-type: none"> • The economic value of the sector (e.g. employment statistics, revenue generation). • The sector's role in supporting local economies and high streets. • Trends in consumer spending and how they influence business growth. <p>Legislation and Working Practices Influencing Businesses, students will explore:</p> <ul style="list-style-type: none"> • Key legislation (e.g. Health and Safety at Work Act, Employment Law, GDPR). • How these laws affect daily operations, staff responsibilities, and customer care. 	<p>Entrepreneurship and its Benefits students will develop knowledge and understanding of:</p> <ul style="list-style-type: none"> • What entrepreneurship means in the context of hair and beauty. • The economic and personal benefits of starting a business (e.g., independence, innovation, job creation, financial rewards). <p>Characteristics and Objectives of an Entrepreneur students will explore:</p> <ul style="list-style-type: none"> • Traits of an entrepreneur, such as creativity, resilience, risk-taking, and leadership. • Common goals like business growth, customer satisfaction, and profitability. <p>Identifying a Business Opportunity students will understand:</p> <ul style="list-style-type: none"> • How to spot gaps in the market or unmet customer needs. • Techniques like SWOT analysis or trend spotting in the beauty industry. <p>Business Planning, students will learn:</p> <ul style="list-style-type: none"> • Components of a business plan: mission statement, market analysis, financial planning, and operational strategy.

	<ul style="list-style-type: none"> • How structure affects decision-making, risk, and growth. <p>The Scope of Opportunities for Hair and Beauty Businesses, students will understand:</p> <ul style="list-style-type: none"> • The range of business models: salons, spas, mobile services, retail, online platforms. • Emerging trends: eco-friendly salons, tech integration, wellness services. • Diverse settings: high street, home-based, cruise ships, film/TV, fashion shows. • The importance of innovation and niche markets in business success. <p>Career Pathways and Progression Opportunities in the Hair and Beauty Sector Students will gain insight into:</p> <ul style="list-style-type: none"> • Entry-level roles (e.g. salon assistant, junior stylist). • Progression to senior roles (e.g. salon manager, specialist therapist). • Opportunities in education, product development, media, and business ownership. • The importance of CPD (Continuing Professional Development) and qualifications. • How to plan a career path using qualifications, experience, and networking. <p>Common Hair and Beauty Services and Treatments, students will learn about:</p> <ul style="list-style-type: none"> • Core services: hair cutting, colouring, styling, facials, waxing, manicures, pedicures, massage. • The purpose, tools, and techniques used in each service. • Health and safety considerations and client consultation. • How services are tailored to meet individual client needs. 	<ul style="list-style-type: none"> • The importance of compliance and the consequences of non-compliance. <p>Environmental Influences on Hair and Beauty Businesses, students will investigate:</p> <ul style="list-style-type: none"> • Sustainability practices (e.g. reducing water and energy use, eco-friendly products). • Waste management and recycling in salons. • How environmental awareness can shape consumer choices and business branding. <p>Historical Development of Hair and Beauty Industries Over the Last 50 Years, students will examine:</p> <ul style="list-style-type: none"> • Key milestones in the evolution of the industry (e.g. rise of unisex salons, influence of media and celebrity culture). • Shifts in beauty standards and how they've impacted services and products. • Technological advancements (e.g. laser treatments, digital booking systems). 	<ul style="list-style-type: none"> • Importance of planning for success and sustainability. <p>Principles of Marketing Students will gain insights into:</p> <ul style="list-style-type: none"> • Core concepts such as customer needs, value creation, and relationship building. • The role of branding and positioning in a competitive market. <p>Factors Influencing Marketing Objectives, students will explore:</p> <ul style="list-style-type: none"> • Internal factors (e.g., budget, brand identity). • External factors (e.g., competition, customer trends, economic conditions). <p>The Marketing Mix (4Ps), students will learn:</p> <ul style="list-style-type: none"> • Product: Types of services/products offered (e.g., skincare, hair treatments). • Price: Pricing strategies suitable for different market segments. • Place: Distribution channels (e.g., salons, online platforms). • Promotion: Advertising, social media, influencer marketing, and loyalty programs. <p>Purpose and Approach to Market Research, students will explore:</p> <p>Why market research is essential (e.g., understanding customer preferences, testing new ideas).</p> <p>Methods such as surveys, focus groups, and competitor analysis.</p>
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	<ul style="list-style-type: none"> The role of trends and seasonal demand in service offerings. 		
Disciplinary Knowledge (The skills and approaches that students will develop)	Skills and approaches developed within learning outcome 1: <ul style="list-style-type: none"> Analytical thinking to evaluate different business purposes (e.g. profit vs. social impact). Reflective thinking about personal career goals and business aspirations. Decision-making skills to assess which structure suits different business models. Comparative analysis to weigh pros and cons of each structure. Entrepreneurial thinking to identify and evaluate new opportunities. Creative problem-solving to adapt services to changing client needs. Goal setting and planning for career development. Self-assessment and reflection to identify strengths and areas for growth. Service awareness to align business offerings with market demand. 	Skills and approaches developed within learning outcome 1: <ul style="list-style-type: none"> Analytical Thinking: Evaluating how external factors (economic, legal, environmental) influence business decisions. Research Skills: Investigating historical trends and current practices. Business Literacy: Understanding terminology, structures, and financial implications. Critical Reflection: Considering how past developments shape current and future practices. Communication: Articulating business concepts clearly and professionally. 	Skills and Approaches developed within these learning outcomes <ul style="list-style-type: none"> Client-Centric Thinking: Understanding and responding to client needs and preferences. Data Interpretation: Using research to make informed marketing decisions. Creative Communication: Designing promotional content and campaigns. Analytical Thinking: Evaluating the effectiveness of marketing strategies. Adaptability: Adjusting marketing approaches based on feedback and market changes.
Assessment (The methods that teachers will use to assess the progress of all students)	As this is the students' first year on the Hair and Beauty course, students' prior knowledge will be initially assessed through question-and-answer activities. Summative assessment will be conducted towards the end of this first term using exam questions from past papers linked to topics covered within his term focusing on recall.	Exam questions from past paper linked to topics covered within his term focusing on both recall and extended answering questions.	Exam questions from past paper linked to topics covered within his term focusing on both recall and extended answering questions.
Reading, Writing and Vocabulary	Reading Skills: Interpreting business case studies and real-world examples. Extracting key information from written texts Understanding subject-specific vocabulary. Writing Skills:	Reading Skills: Interpret business texts such as case studies, articles on entrepreneurship, and examples of business plans.	Reading Skills: Interpret business and marketing texts Understand key terminology and concepts related to entrepreneurship, business planning, and marketing strategies.

	<p>Explaining business purposes in structured paragraphs. Using persuasive language to justify business goals. Summarising key concepts clearly and concisely</p> <p>Vocabulary</p> <ul style="list-style-type: none"> • Manufacturer • Retail • Goods • Services • Sole Trader • Partnership • Public Limited Company • Private Limited Company • Franchise • Concession • Not-for-profit organisation • Apprenticeships • T-Levels • Further Education • Higher Education • Junior 	<p>Extract key information from written sources about successful entrepreneurs and business strategies. Analyse market trends and consumer behaviour through reports and data. Understand legal and financial terminology relevant to starting and running a business.</p> <p>Writing Skills: Writing business plans, including sections on objectives, market analysis, and financial forecasting. Describing entrepreneurial characteristics and explaining how they apply to real-world scenarios. Evaluating business opportunities through written proposals or reflective writing. Using persuasive writing to pitch ideas or promote a business concept. Structuring formal documents such as reports, plans, and reflective accounts.</p> <p>Vocabulary</p> <ul style="list-style-type: none"> • Entrepreneurship and Business • Entrepreneur / Entrepreneurship • Innovation • Risk-taking • Profit / Revenue / Investment • Business opportunity • Market gap • Target audience • Competitive advantage • Business Planning • Mission statement • Vision • Objectives • SWOT analysis (Strengths, Weaknesses, Opportunities, Threats) • Financial forecast 	<p>Analyse case studies and real-world examples Read and evaluate examples of successful hair and beauty enterprises to identify entrepreneurial traits and marketing approaches. Extract relevant information from research</p> <p>Writing skills: Develop a marketing mix strategy in written form. Conduct and report on market research Design surveys or questionnaires. Write up findings in a structured format, including analysis and recommendations.</p> <p>Vocabulary</p> <ul style="list-style-type: none"> • Services • Leisure and Tourism • Interdependencies • Industries • Fashion • Aesthetics • Design • Legislation • Health and Safety at Work Act • Data Protection • Hygiene • Sterilisation • Disinfectant • Infection • Sustainability • Gross Domestic Product • Economy Renewable Energy • Ethics • Technology
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Numeracy	<p>Comparing financial implications of different business models (e.g. tax rates, liability). Interpreting market research data (e.g. charts, graphs, statistics). Estimating costs of equipment, products, and services. Understanding salary scales and hourly rates. Calculating training costs, course durations, and qualification levels. Measuring product quantities, treatment times, and mixing ratios.</p>	<p>Business Planning Forecasting: Estimating future income and expenses based on market research and business goals. Pricing Strategies: Using numerical reasoning to set competitive and profitable prices.</p> <p>Market Analysis Interpreting Data: Reading graphs, charts, and tables related to market trends and consumer behaviour. Quantifying Opportunities: Using numbers to assess the size and potential of a business opportunity. Setting and Measuring Objectives SMART Goals: Applying numerical targets to business objectives</p>	<p>Basic financial literacy: Understanding income, expenses, and profit. Setting measurable goals: Using numbers to define and track business objectives (e.g. increase client base by 15%). Identifying a Business Opportunity Market sizing: Estimating potential customer base and demand. Competitor analysis: Comparing pricing, services, and market share using numerical data.</p> <p>Marketing Mix Pricing strategies: discounts and competitive pricing. Sales tracking: Monitoring product/service performance using sales data.</p> <p>Market Research Data collection and analysis: Interpreting survey results, customer feedback, and demographic data. Statistical reasoning: Understanding averages, percentages, and trends to inform decisions.</p>

Hairdressing Curriculum Map Year 10 Continued

	Half Term 4	Half Term 5	Half Term 6
Key Topics	<p>UCO91 Anatomy, physiology and cosmetic science LO1: Understand the role of cosmetic ingredients</p> <ul style="list-style-type: none"> ➤ The function of common cosmetic ingredients used within the hair and beauty industry ➤ The safety of cosmetic ingredients used within the hair and beauty industry ➤ Common cosmetic ingredients derived from animal products and the role of animal testing 	<p>UCO91 Anatomy, physiology and cosmetic science LO1: Understand the role of cosmetic ingredients</p> <ul style="list-style-type: none"> ➤ The importance of maintaining the pH value of cosmetic products ➤ Cosmetic products and their effects on the skin, hair and nails <p>UCO91- LO2: Understand the structure and function of the integumentary system</p> <ul style="list-style-type: none"> ➤ The anatomy and physiology of the skin ➤ The anatomy and physiology of the hair ➤ The anatomy and physiology of the nail 	<p>UCO91- LO2: Understand the structure and function of the integumentary system</p> <ul style="list-style-type: none"> ➤ The intrinsic and extrinsic factors that can affect the integumentary system <p>UCO91- LO3: Understand the development of hair and beauty products</p> <ul style="list-style-type: none"> ➤ The historical evolution of hair and beauty products from ancient times to the 21st century ➤ The development of a hair or beauty product from conception to launch ➤ The impact of manufacturing on the environment

<p>Substantive Knowledge (The knowledge the students will develop)</p>	<p>The Function of Common Cosmetic Ingredients in the Hair and Beauty Industry Students will learn: The purpose and action of various ingredients, such as:</p> <ul style="list-style-type: none"> • Emollients • Humectants • Surfactants Preservatives Colourants and pigments • Fragrances • Active ingredients <p>The Safety of Cosmetic Ingredients, students will explore:</p> <ul style="list-style-type: none"> • Regulatory frameworks (e.g., EU Cosmetics Regulation, FDA guidelines) that govern ingredient safety. • Patch testing and dermatological testing • Toxicological assessments <p>Common Cosmetic Ingredients Derived from Animal Products Students will identify ingredients of animal origin, such as:</p> <ul style="list-style-type: none"> • Lanolin (from sheep's wool) • Carmine (a red pigment from cochineal insects) • Keratin (from animal hooves, horns, or feathers) • Collagen and elastin (from animal connective tissues) • Beeswax and honey <p>They will also explore ethical considerations, including:</p> <ul style="list-style-type: none"> • Vegan and cruelty-free alternatives • Consumer demand for transparency and ethical sourcing <p>The Role of Animal Testing in Cosmetics Students will understand:</p>	<p>Importance of Maintaining the pH Value of Cosmetic Products Students will learn:</p> <ul style="list-style-type: none"> • Definition of pH and its scale (0–14). • The ideal pH range for skin and hair products (typically 4.5–5.5 for skin). • How pH affects: • Skin barrier function (acid mantle protection) • Hair cuticle integrity • Product stability and effectiveness • Consequences of incorrect pH: • Skin irritation • Hair damage • Reduced product efficacy <p>Cosmetic Products and Their Effects on the Skin, Hair, and Nails, students will explore:</p> <ul style="list-style-type: none"> • Types of cosmetic products (cleansers, moisturizers, serums, shampoos, conditioners, nail treatments). • Short-term and long-term effects: • Hydration, exfoliation, protection, strengthening • Potential for allergic reactions or sensitivity • Targeted benefits: • Anti-aging, anti-acne, smoothing, volumizing, strengthening • Interaction with biological structures: • Penetration into skin layers • Coating or restructuring of hair shafts • Conditioning and protection of nail plates <p>UCO91 – LO2: Understand the Structure and Function of the Integumentary System Anatomy and Physiology of the Skin Students will gain knowledge of:</p>	<p>Intrinsic and Extrinsic Factors Affecting the Integumentary System Students will learn how both internal (intrinsic) and external (extrinsic) factors influence the health, appearance, and function of the skin, hair, and nails. Intrinsic Factors (originating from within the body):</p> <ul style="list-style-type: none"> • Genetics: Determines skin type, hair texture, and predisposition to conditions like eczema or alopecia. • Hormonal changes: Puberty, pregnancy, menopause, and thyroid imbalances can affect oil production, hair growth, and skin elasticity. • Aging: Natural decline in collagen, elastin, and cell turnover. • Nutrition and hydration: Deficiencies in vitamins (A, C, E, B-complex), minerals (zinc, iron), and water intake impact skin and hair health. • Medical conditions: Diabetes, autoimmune diseases, and circulatory disorders can alter skin and nail condition. <p>Extrinsic Factors (originating from the environment or lifestyle):</p> <ul style="list-style-type: none"> • UV radiation: Causes photoaging, pigmentation, and increases skin cancer risk. • Pollution: Contributes to oxidative stress and premature aging. • Climate: Humidity, temperature, and wind affect moisture levels and barrier function. • Lifestyle habits: Smoking, alcohol, stress, and sleep patterns influence skin and hair health.
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	<ul style="list-style-type: none"> • Historical context of animal testing in cosmetics for safety and efficacy. • Current legal status: • EU ban on animal testing for cosmetics and ingredients. • Alternatives to animal testing, such as: • In vitro testing (e.g., reconstructed human epidermis) • Human volunteer studies • Ethical debates and the influence of consumer advocacy. 	<ul style="list-style-type: none"> • Layers of the skin: • Epidermis (including stratum corneum) • Dermis (with collagen, elastin, blood vessels) • Hypodermis (fat and connective tissue) • Functions: • Protection, sensation, thermoregulation, excretion, synthesis of vitamin D • Skin appendages: • Sweat glands, sebaceous glands, hair follicles <p>Anatomy and Physiology of the Hair Students will study:</p> <ul style="list-style-type: none"> • Hair structure: • Shaft, root, follicle, bulb, dermal papilla • Hair growth cycle: • Anagen (growth), catagen (transition), telogen (resting) • Functions: • Protection, sensory input, regulation of body temperature <p>Anatomy and Physiology of the Nail Students will understand: Nail structure:</p> <ul style="list-style-type: none"> • Nail plate, nail bed, matrix, cuticle, lunula • Growth and regeneration: • Role of the matrix in nail production • Functions: • Protection of fingertips, enhancement of fine motor skills 	<ul style="list-style-type: none"> • Cosmetic product use: Overuse or misuse can lead to irritation, sensitivity, or allergic reactions. <p>LO3: Understand the Development of Hair and Beauty Products Historical Evolution of Hair and Beauty Products (Ancient Times to 21st Century) Students will explore:</p> <ul style="list-style-type: none"> • Egyptians: Use of kohl, henna, and natural oils. • Greeks and Romans: Herbal infusions, perfumes, and early skincare. • Middle Ages to Renaissance: Pale skin as a beauty ideal, use of lead-based cosmetics. • 18th–19th centuries: Rise of perfumery, cold creams, and pomades. • 20th century: Industrialization, mass production, and the birth of major cosmetic brands. • 21st century: Focus on clean beauty, sustainability, inclusivity, and technological innovation (e.g., biotech ingredients, AI in product development). <p>Development of a Hair or Beauty Product from Conception to Launch Students will understand the product lifecycle, including:</p> <ul style="list-style-type: none"> • Market research: Identifying consumer needs and trends. • Concept development: Defining product purpose, target audience, and unique selling points. • Formulation: Selecting ingredients, ensuring stability, safety, and efficacy. • Testing: • Safety (e.g., dermatological testing)
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			<ul style="list-style-type: none"> • Efficacy (e.g., clinical trials or consumer panels) • Regulatory compliance: Meeting legal standards (e.g., EU Cosmetics Regulation). • Branding and packaging: Design, labeling, and marketing strategy. • Manufacturing: Scaling production while maintaining quality. • Launch and distribution: Retail, e-commerce, and promotional campaigns. <p>Impact of Manufacturing on the Environment</p> <p>Students will explore:</p> <ul style="list-style-type: none"> • Environmental concerns: • Carbon footprint of production and transportation • Water usage and pollution • Plastic packaging and microplastics • Waste generation and landfill impact • Sustainable practices: • Use of biodegradable or recyclable packaging • Green chemistry in formulation • Ethical sourcing of raw materials
Disciplinary Knowledge (The skills and approaches that students will develop)	<p>The Function of Common Cosmetic Ingredients</p> <p>Skills & Approaches:</p> <ul style="list-style-type: none"> • Scientific literacy: interpreting ingredient labels and understanding formulation logic. • Analytical thinking: evaluating product effectiveness based on ingredient function. 	<p>LO1: The Importance of Maintaining the pH Value of Cosmetic Products</p> <p>Skills & Approaches:</p> <ul style="list-style-type: none"> • Scientific reasoning: interpreting pH values and their relevance. • Analytical thinking: evaluating product suitability based on pH. <p>2. Cosmetic Products and Their Effects on the Skin, Hair, and Nails</p>	<p>LO2: Intrinsic and Extrinsic Factors Affecting the Integumentary System</p> <p>Disciplinary Knowledge:</p> <ul style="list-style-type: none"> • Analytical thinking: Evaluating how different factors contribute to skin and hair conditions. • Client-focused assessment: Identifying individual needs and tailoring treatments accordingly.

	<p>2. The Safety of Cosmetic Ingredients Skills & Approaches:</p> <ul style="list-style-type: none"> • Risk assessment: identifying safe usage practices and contraindications. • Ethical awareness: considering consumer safety and professional responsibility. <p>3. Common Cosmetic Ingredients Derived from Animal Products and the Role of Animal Testing Skills & Approaches:</p> <ul style="list-style-type: none"> • Critical thinking: evaluating ethical implications of ingredient sourcing and testing. • Informed decision-making: choosing products aligned with ethical and professional standards (e.g. cruelty-free, vegan). 	<p>Skills & Approaches:</p> <ul style="list-style-type: none"> • Critical evaluation: assessing product claims and outcomes. • Client-focused thinking: selecting products based on individual needs and conditions. <p>LO2: Understand the Structure and Function of the Integumentary System 1. Anatomy and Physiology of the Skin Skills & Approaches:</p> <ul style="list-style-type: none"> • Scientific literacy: using anatomical terminology accurately. • Applied understanding: linking skin structure to treatment outcomes. <p>2. Anatomy and Physiology of the Hair Skills & Approaches:</p> <ul style="list-style-type: none"> • Diagnostic thinking: identifying hair conditions and treatment needs. • Technical understanding: tailoring services to hair type and health. <p>3. Anatomy and Physiology of the Nail Skills & Approaches:</p> <ul style="list-style-type: none"> • Observation and analysis: recognising nail health indicators. • Precision: applying treatments safely and effectively. 	<ul style="list-style-type: none"> • Preventative mindset: Promoting healthy habits and protective measures. <p>LO3: Understand the Development of Hair and Beauty Products 1. Historical Evolvement of Hair and Beauty Products</p> <ul style="list-style-type: none"> • Exploring how beauty practices and product formulations have changed from ancient civilizations to modern times. • Historical analysis: Comparing past and present practices to understand industry evolution. • Cultural awareness: Appreciating diverse beauty traditions and their impact on modern products. <p>2. Development of a Hair or Beauty Product from Conception to Launch Disciplinary Knowledge:</p> <ul style="list-style-type: none"> • Understanding the stages of product development: • Project planning: Mapping out product development timelines and processes. • Creative thinking: Generating innovative product ideas. • Entrepreneurial mindset: Understanding commercial viability and market positioning. <p>3. Impact of Manufacturing on the Environment</p> <ul style="list-style-type: none"> • Awareness of environmental concerns such as resource use, waste, packaging, and carbon footprint.
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			<ul style="list-style-type: none"> • Ethical reasoning: Evaluating the environmental impact of product choices. • Sustainability mindset: Promoting responsible manufacturing and consumption.
Assessment (The methods that teachers will use to assess the progress of all students)	Exam questions from past paper linked to topics covered within his term focusing on both recall and extended answering questions.	Exam questions from past paper linked to topics covered within his term focusing on both recall and extended answering questions.	<p>Summative assessment will be implemented through a mock assessment paper designed to capture students' understanding of the key topics covered throughout the course thus far.</p> <p>This assessment will reflect the structure and expectations of the final external examination students will sit in May of Year 11, as well as provide a clear measure of students' knowledge retention and application skills.</p>
Reading, Writing and Vocabulary	<p>Reading Skills: Interpret ingredient labels and product information sheets. Read scientific and regulatory texts related to cosmetic safety and formulation. Analyse ethical debates and industry articles on animal testing and ingredient sourcing. Extract key information from technical documents and research findings.</p> <p>Writing skills: Descriptive writing to explain the function and purpose of cosmetic ingredients. Analytical writing to evaluate the safety and ethical implications of ingredient use. Report writing to present findings on cosmetic formulations and testing practices. Reflective writing to express personal views on animal testing and sustainability.</p>	<p>Reading Skills: Interpret scientific texts related to cosmetic formulations, pH balance, and ingredient functions. Read anatomical diagrams and descriptions of the skin, hair, and nails.</p> <p>Writing Skills: Descriptive writing to explain the effects of cosmetic products on the skin, hair, and nails. Analytical writing to evaluate the importance of pH in product formulation and its impact on biological tissues.</p> <p>Vocabulary:</p> <ul style="list-style-type: none"> • Allergen • Irritant • Toxicity • Patch testing • Animal-derived 	<p>Reading Skills Interpret scientific and anatomical texts describing how intrinsic (e.g. genetics, ageing) and extrinsic (e.g. UV exposure, pollution) factors affect the skin, hair, and nails. Analyse historical sources and articles on the evolution of hair and beauty products from ancient times to the present. Understand technical and environmental reports on product development, sustainability, and manufacturing processes.</p> <p>Writing Skills Explanatory writing to describe how internal and external factors influence the integumentary system. Chronological writing to outline the historical development of beauty products.</p>

	Vocabulary: <ul style="list-style-type: none"> • Cosmetic Science • Emollients • Surfactants • Preservatives • Humectants • Active ingredients • Formulation • Stability • pH balance • Safety and Regulation • Allergen • Irritant • Toxicity • Patch testing • Compliance • Regulation • Risk assessment • Ethics and Animal Testing • Cruelty-free • Vegan-friendly • Animal-derived • Ethical sourcing • Alternatives to animal testing • Legislation (e.g. EU Cosmetic Regulation) 	<ul style="list-style-type: none"> • Cruelty-free • Vegan-friendly • Regulation • Anatomy and Physiology • Epidermis / Dermis / Hypodermis • Sebaceous gland • Hair follicle • Cuticle / Cortex / Medulla • Nail matrix / Nail bed / Lunula • Keratin • Melanin • Sensory receptors 	<p>Analytical writing to evaluate the environmental impact of cosmetic manufacturing.</p> <p>Report writing to document the stages of product development from concept to market launch.</p> <p>Reflective writing to express ethical views on sustainability and product innovation.</p> <p>Vocabulary</p> <ul style="list-style-type: none"> • Integumentary System • Intrinsic / Extrinsic • Epidermis / Dermis / Hypodermis • Sebaceous gland • Hair follicle • Nail matrix / Nail bed / Lunula • Keratin / Melanin • Collagen / Elastin • UV radiation / Free radicals • Formulation • Innovation • Branding • Market launch • Ancient remedies / Traditional practices • Modern cosmetics / Synthetic ingredients • Sustainability / Eco-friendly / Biodegradable • Carbon footprint / Environmental impact • Ethical sourcing / Green chemistry
Numeracy	LO1 The Function of Common Cosmetic Ingredients Ingredient concentration calculations: Understanding percentages and ratios used in product formulations (e.g. 2% salicylic acid).	LO1: Understand the Role of Cosmetic Ingredients The Importance of Maintaining the pH Value of Cosmetic Products Measuring and interpreting pH values using scales and testing methods.	LO2: Intrinsic and Extrinsic Factors Affecting the Integumentary System Data interpretation: Reading and analysing charts or graphs showing the effects of ageing, UV exposure, hydration levels, or pollution on skin, hair, and nails.

	<p>Measurement skills: Using units such as millilitres (ml), grams (g), and pH values to assess product composition.</p> <p>The Safety of Cosmetic Ingredients Risk assessment using numerical data: Interpreting safety thresholds, toxicity levels, and allergen percentages. Understanding regulatory limits: Applying numerical guidelines from cosmetic safety standards (e.g. maximum allowable concentrations).</p>	<p>Comparing pH levels of different products and understanding their suitability for skin, hair, and nails. Understanding numerical ranges (e.g. skin's natural pH of 4.5–5.5)</p> <p>LO2: Understand the Structure and Function of the Integumentary System Anatomy and Physiology of the Skin, Hair, and Nails Understanding growth rates (e.g. average hair growth per month, nail regrowth time). Interpreting biological data such as skin thickness, hair density, and nail strength. Reading and analysing charts or diagrams showing skin layers, hair cycles, and nail structure.</p>	<p>Measurement skills: Understanding units used in dermatology and cosmetic science (e.g. pH levels, hydration percentages, SPF ratings).</p> <p>LO3: Development of Hair and Beauty Products 1. Historical Evolvment of Hair and Beauty Products Timeline analysis: Interpreting chronological data and trends in product development. Quantitative comparisons: Comparing ingredient usage, product types, and market growth over time.</p> <p>2. Product Development from Conception to Launch Budgeting and costing: Estimating costs for ingredients, packaging, marketing, and distribution. Statistical reasoning: Using consumer data and feedback to inform product design and marketing strategies.</p> <p>3. Impact of Manufacturing on the Environment Environmental data analysis: Interpreting carbon footprint figures Numerical evaluation: Assessing the environmental impact of different production methods.</p>
Personal Development	<p>Alongside the VTCT CO2A5 Level 2 qualification, students will benefit from weekly access to a real-life salon environment. This hands-on experience allows learners to:</p> <ul style="list-style-type: none"> • Develop practical skills in a professional setting. • Gain confidence in using industry-standard tools, products, and techniques. • Apply theoretical knowledge to real client scenarios. • Build essential workplace behaviours such as communication, time management, and customer service. • Strengthen their readiness for further study in hairdressing or beauty therapy at college or through apprenticeships. 		

	This immersive experience bridges the gap between classroom learning and industry expectations, ensuring students are well-prepared for the next stage of their vocational journey.
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