

## What are the aims and intentions of this curriculum?

The aim of our Year 10 Curriculum is to complete learning for unit UCO91 – Anatomy, Physiology and Cosmetic Science, which provides students with an understanding of cosmetic chemistry, the anatomy and physiology of the integumentary system and development of hair and beauty products. Students will also be introduced to the third and final unit of the course, UCO90 – Business and Entrepreneurship in the Hair and Beauty Sector. This will enable students to understand the purpose, structure and concepts of hair and beauty businesses and their effects on the economy and the environment.

Term	Topics	Knowledge and key terms	Skills developed	Assessment
Autumn 1	<p><b>Unit UCO91 – Anatomy, Physiology and Cosmetic Science LO1 – Understand the role of cosmetic ingredients</b></p> <p>Practical Tasks</p> <p>Careers Talk- Joshua Coombes September 18<sup>th</sup></p>	<ul style="list-style-type: none"> <li>• PH value</li> <li>• Acid and alkali</li> <li>• PH testing</li> <li>• Litmus paper</li> <li>• Universal indicator</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the importance of maintaining the PH value of cosmetic products, including the PH value of different cosmetic products, acids and alkalis, methods of testing PH values of ingredients, and why the correct PH value is important.</li> <li>• Understanding cosmetic products and their effects on the skin, hair and nails, including skin products, make up products, nail products, hair cleansing and conditioning products, hair styling and finishing products and shaving products.</li> </ul> <p>Health &amp; wellbeing Career Integration: Oncologist, Dermatologist, Scientist.</p>	<p><b>Both units UCO90 and UCO91 are assessed through internal assessment (60%) and external examination (40%).</b></p> <p>Students will complete their internal assessments then prepare for their examination.</p> <p>Students cannot pass the course unless they pass the external component.</p>
Autumn 2	<p><b>Unit UCO91 – Anatomy, Physiology and Cosmetic Science LO2 – Understand the structure and function of the integumentary system.</b></p> <p>Practical Tasks</p> <p>Parkside Studio College's Careers Fair- October 18<sup>th</sup> –</p>	<ul style="list-style-type: none"> <li>• Integumentary system</li> <li>• Epidermis (basal cell layer, prickle cell layer, granular layer, clear layer, horny layer)</li> <li>• Dermis (sweat glands, sebaceous glands, hair follicles, arrector pili muscles, nerve endings, dermal papillae, rich blood supply)</li> <li>• Subcutaneous layer (adipose tissue, fat cells)</li> <li>• Hypodermis</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the structure and function of the integumentary system: <ul style="list-style-type: none"> <li>○ The anatomy and physiology of the skin; structure and function of the skin;</li> <li>○ The common diseases and disorders of the skin;</li> <li>○ Characteristics of skin types;</li> <li>○ Characteristics of skin conditions;</li> <li>○ Characteristics of male skin;</li> <li>○ Common variations in skin physiology.</li> </ul> </li> </ul> <p>Health and prevention Career Integration: Dermatologist, Plastic Surgeon</p>	

**Vocationally Trained Professionals**

**Preparation for Work Experience- External Placements**

- Secretion, excretion, absorption, vitamin D production
- Acid mantle (sebum and sweat)
- Cuticle, cortex, medulla, hair bulb, inner/outer root sheath, dermal papilla
- Infectious conditions (ringworm, folliculitis, head lice)
- Non-infectious conditions (alopecia, seborrhea, sebaceous cyst, barbers itch)
- Conditions (chemically damaged, coarse, dull split ends, tangle, breakage, dull, unprocessed)
- Defects (split ends, damaged cuticle)
- Texture, porosity, density, elasticity
- Characteristics (oily, dry, dandruff)

- Understand the anatomy and physiology of the hair:
  - The structure and the function of hair;
  - The common diseases and disorders of the hair and scalp;
  - Hair classifications, hair and scalp conditions and characteristics;
  - Hair conditions
  - Hair defects.

**Career Integration: Trichologist, Infectious diseases specialist, Infectiologist and Infectionist.**

Spring 1

**Unit UCO91 – Anatomy, Physiology and Cosmetic Science LO2 – Understand the structure and function of the integumentary system.**

**Practical Tasks**

- Nail plate, nail bed, cuticle, lunula, nail wall, free edge, matrix
- Infectious diseases (ringworm, paronychia, warts, ingrown toenails)
- Non infectious diseases (overgrown cuticles, nail biting, pitting, hang nails, white spots)
- Common conditions (brittle nails, soft nails, ridged nails, peeling nails, discoloured nails).
- Intrinsic factors (genetics, hormonal imbalance, Fitzpatrick skin types classification)

- Understand the anatomy and physiology of the nail:
  - The structure and function of the nail;
  - Common diseases and disorders of the nail;
  - Common nail conditions and characteristics.

**Career Integration: Podiatrist, Dermatologist, Infectious diseases specialist, Infectiologist and Infectionist.**

- Understand the intrinsic and extrinsic factors that can affect the integumentary system.

		<ul style="list-style-type: none"> <li>Extrinsic factors (stress, diet, medication, UV exposure, climate, incorrect product use, lifestyle.</li> </ul>	<p>Changing adolescent body, Healthy eating, Drugs, alcohol and tobacco, and Health and prevention</p>
Spring 2	<p><b>Unit UCO91 – Anatomy, Physiology and Cosmetic Science LO3 – Understand the development of hair and beauty products.</b></p> <p>Practical Tasks</p> <p>National Careers Week (March 6-11)</p>	<ul style="list-style-type: none"> <li>Design brief, chemists, toxicologists, microbiologists, regulatory experts</li> <li>Formulation</li> <li>Legislation</li> <li>Regulations</li> <li>Sustainability and ethical beauty</li> <li>Pollution</li> </ul>	<ul style="list-style-type: none"> <li>The historical evolution of hair and beauty products from ancient times to the 21<sup>st</sup> Century – historical timeline to include: Ancient Egyptians, Ancient Greeks and Romans, Renaissance period, Victorian era, Twentieth Century, twenty First Century.</li> <li>The development of a hair or beauty product from conception to launch.</li> <li>The impact of manufacturing on the environment.</li> </ul> <p>Respectful relationships, including friendships</p>
Summer 1	<p><b>Unit UCO90 – Business and Entrepreneurship in the Hair and Beauty Sector. LO1 – Understand the structure and concept of hair and beauty businesses.</b></p> <p>National Hairstylist Appreciation Day- April 30<sup>th</sup></p> <p>National Nail Tech Day on May 30<sup>th</sup></p>	<ul style="list-style-type: none"> <li>Goods, services, distribution</li> <li>Sole trader, partnership, public limited company (PLC), private limited company (LTD), franchise, concession, independent/freelance, not for profit organisation.</li> </ul>	<ul style="list-style-type: none"> <li>Understand the purpose of a business, including the definition of a business, the purpose of a business and the reasons for starting a business.</li> <li>Understand different business structures and their advantages and disadvantages.</li> <li>Understand the scope of opportunities for hair and beauty businesses.</li> </ul>
Summer 2	<p><b>Unit UCO90 – Business and Entrepreneurship in the Hair and Beauty Sector. LO1 – Understand the structure and concept of hair and beauty businesses.</b></p>	<ul style="list-style-type: none"> <li>T level</li> <li>Apprenticeship</li> <li>Further Education</li> <li>Higher Education</li> <li>Contracted</li> <li>Self employed</li> </ul>	<ul style="list-style-type: none"> <li>Career pathways and progression opportunities available in the hair and beauty sectors, including career and training pathways, progression and types of employment.</li> <li>Understand the common hair and beauty services and treatments, including hairdressing barbering, beauty therapy, spa therapy, nails and make up artistry.</li> </ul> <p>Community and careers Employability skills</p>