

<b>ITEC Level 3</b>  <b>Unit 823 - Provide Body Electrotherapy Treatments</b>  <b>Recommended Minimum Guided Learning Hours – 104</b>	
<b>Learning outcome</b> The Learner will:  1. Be able to prepare for body treatments using electrotherapy	
<b>Assessment Criteria</b>	<b>Taught Content</b>
1.1 Prepare themselves, client and work area for body electrotherapy treatments  1.2 Use suitable consultation techniques to identify treatment objectives  1.3 Carry out body analysis and relevant tests  1.4 Provide clear recommendations to the client	1.1.1 To include: • Preparation of working area • Equipment • Products • Work wear • Personal appearance and behaviour • Hygiene e.g. sterilizing /sanitising tools and equipment • Client for treatment • Client care and modesty  1.2. To include: An example of a consultation form can be downloaded from: <a href="http://www.itecworld.co.uk">www.itecworld.co.uk</a> • Suitable area • Positive body language • Positioning of the client • Communication skills • Professionalism • Contraindications and contra-actions • Treatment plan • Products used • Consent • Confidentiality • Client's signature  1.3.1 To include: • Height • Weight • Body measurements • Posture check • Muscle tone test • Body fat • Fluid retention • Body mass index (BMI) • Tactile test • Thermal test  1.4.1 To include taking into account the following: • The outcome of the body analysis • Diet • Smoking • Alcohol • Central heating • Air conditioning • Stress • Sleep • Exercise • Fresh air • Occupation • Lifestyle • Current regime

1.5 Select products, tools and equipment to suit client treatment needs, body types and conditions	<p>1.5.1 To include: To include:</p> <ul style="list-style-type: none"> <li>• Couch or chair • Trolley • Stool • Towels • Blanket • Additional support if appropriate</li> <li>• Headband • Bedroll • Robe • Disposable slippers • Disinfecting fluid • Tissues • Cotton wool</li> <li>• Sponges • Gloves • Spatulas • Bowls • Mask brushes • Gauze • Sterilising solution • UV cabinet • Autoclave • Chemical immersion equipment • Waste disposal</li> </ul> <p>Electrical equipment as follows:</p> <ul style="list-style-type: none"> <li>• Electro muscle stimulator (EMS) (Faradism) • Galvanism • Microcurrent • Vacuum suction (lymphatic drainage) • High frequency • Infrared • Mechanical massage/Vibrator treatments(G5)</li> </ul>
1.6 Describe salon requirements for preparing themselves, the client and work area	<p>1.6.1 To include:</p> <ul style="list-style-type: none"> <li>• Any particular rights, restrictions and Acts applicable to body electrotherapy treatment</li> <li>• Code of practice/ethics • Insurance and professional association membership • Record keeping • Professional appearance</li> </ul>
1.7 Describe the environmental conditions suitable for body electrotherapy treatments	<p>1.7.1 To include:</p> <ul style="list-style-type: none"> <li>• Lighting • Heating • Ventilation • Noise levels • Available space • Music • General hygiene</li> <li>• Waste disposal • Décor • Equipment • Privacy • Reception areas • General use/treatment areas • Safety aspects</li> </ul>
1.8 Describe the different consultation techniques used to identify treatment objectives	<p>1.8.1 To include:</p> <ul style="list-style-type: none"> <li>• Positive body language • Positioning of the client (no barriers between themselves and client) • Good communication skills (asking open and/or closed questions where appropriate) • Verbal and non-verbal communication</li> </ul>
1.9 Explain the importance of carrying out a detailed body analysis and relevant tests	<p>1.9.1 To include:</p> <ul style="list-style-type: none"> <li>• Identifying client's body type and needs • Thermal test • Tactile test • Contraindications</li> <li>• Scope of treatment(s) • Aftercare advice • Home care advice</li> </ul>
1.10 Describe how to select products, tools and equipment to suit client treatment needs, body types and conditions	<p>1.10.1 To include:</p> <ul style="list-style-type: none"> <li>• Couch or chair • Trolley • Stool • Towels • Blanket • Additional support if appropriate</li> <li>• Headband • Bedroll • Robe • Disposable slippers • Disinfecting fluid • Tissues • Cotton wool</li> <li>• Sponges • Gloves • Spatulas • Bowls • Mask brushes • Gauze • Sterilising solution • UV cabinet • Autoclave • Chemical immersion equipment • Waste disposal</li> </ul> <p>Electrical equipment as follows:</p> <ul style="list-style-type: none"> <li>• Electro muscle stimulator EMS (Faradic) • Galvanic</li> <li>• Microcurrent • Vacuum suction • Infra red • Mechanical massage/vibrator treatments</li> </ul>

1.11 Describe the different body types, conditions and characteristics	1.11.1 To include • Mesomorph • Ectomorph • Endomorph • Dowager's hump • Round shoulders • Winged scapula • Midriff bulge • Protruding abdomen • Hyper-extended knees • Fluid retention • Weight distribution • Poor muscle tone • Kyphosis • Lordosis • Scoliosis
1.12 Explain the contraindications that prevent or restrict body electrotherapy treatments	1.12.1 To include: • <b>With medical, GP or specialist permission – In circumstances where written medical permission cannot be obtained the client must sign an informed consent stating that the treatment and its effects has been fully explained to them and confirm that they are willing to proceed without permission from their G.P. or specialist</b> • Pregnancy • Cardio vascular conditions (thrombosis, phlebitis, hypertension, hypotension, heart conditions) • Haemophilia • Any condition already being treated by a GP or another practitioner • Medical oedema • Osteoporosis • Arthritis • Nervous/Psychotic conditions • Epilepsy • Recent operations • Diabetes • Asthma • Any dysfunction of the nervous system (e.g. Multiple Sclerosis, Parkinson's disease, Motor Neurone disease) • Bell's Palsy • Trapped/Pinched nerve (e.g. Sciatica) • Inflamed nerve • Cancer • Postural deformities • Spastic conditions • Kidney infections • Urinary infections • Whiplash • Slipped disc • Undiagnosed pain • When taking prescribed medication • Acute rheumatism • Medication causing thinning or inflammation of the skin (e.g. steroids, accutane, retinols) • <b>Contraindications that restrict treatment</b> • Fever • Contagious or infectious diseases • Under the influence of recreational drugs or alcohol • Diarrhoea and vomiting • Skin diseases • Undiagnosed lumps and bumps • Localised swelling • Inflammation • Varicose veins • Pregnancy (abdomen) • Cuts • Bruises • Abrasions • Scar tissue (2 years for major operation and 6 months for a small scar) • Sunburn • Hormonal implants • Abdomen (first few days of menstruation depending how the client feels) • Haematoma • Hernia • Recent fractures (minimum 3 months) • Cervical spondylitis • Gastric ulcers • After a heavy meal • Conditions affecting the neck • Any metal pins or plates • Loss of skin sensation (test with tactile test) • IUD (coil) • Anaphylaxis • Loose crepey skin • Muscle fatigue • Pacemaker • Body piercing

<p><b>Learning outcome</b> The Learner will:</p> <p>2 Be able to provide body treatments using electrotherapy</p>	
<b>Assessment Criteria</b>	<b>Taught Content</b>
<p>2.1 Communicate and behave in a professional manner</p> <p>2.2 Follow health and safety working practices</p> <p>2.3 Position themselves and client correctly throughout the treatment</p>	<p>2.1.1 To include:</p> <ul style="list-style-type: none"> <li>• Checking consultations and contraindications</li> <li>• Explaining the treatment to the client</li> <li>• Benefits, limitations and co-operation required</li> <li>• Helping the client onto the couch prior to and off the couch after the treatment</li> <li>• Positioning the client correctly</li> <li>• Sanitising client's hands/feet as appropriate</li> <li>• Sanitising own hands as appropriate throughout treatment</li> <li>• Protecting the client's modesty at all times</li> <li>• Ensuring that all parts of the client are covered except the area being treated</li> <li>• Ensuring that the client is comfortable</li> <li>• Using appropriate covered supports</li> <li>• Adapt the body electrotherapy treatments to suit the needs of the client</li> <li>• Ensuring client does not stand on floor with bare feet</li> <li>• Client care</li> <li>• Communication</li> <li>• Correct posture, hygiene and a professional approach to the client throughout treatment</li> </ul> <p>2.2.1 To include:</p> <ul style="list-style-type: none"> <li>• Fire Precautions Act</li> <li>• Health &amp; Safety at Work Act</li> <li>• Health and Safety (First Aid) Regulations</li> <li>• The Management of Health &amp; Safety at Work Regulations</li> <li>• The Workplace (Health, Safety &amp; Welfare) Regulations</li> <li>• The Manual Handling Operations Regulations</li> <li>• The Personal Protective Equipment at Work Regulations</li> <li>• The Provision and Use of Work Equipment Regulations</li> <li>• The Control of Substances Hazardous to Health Regulations (COSHH)</li> <li>• The Electricity at Work Regulations</li> <li>• Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)</li> <li>• Disability Discrimination Act</li> <li>• Data Protection Act</li> <li>• Adhere to all safety precautions and manufacturers instructions</li> </ul> <p>2.3.1 To include:</p> <ul style="list-style-type: none"> <li>• Positioning of the client</li> <li>• Client comfort</li> <li>• Application of the treatments</li> <li>• Body therapist self-care</li> </ul>

2.4	Use products, tools, equipment and techniques to suit clients treatment needs, body type and conditions	<p>2.4.1 To include:</p> <ul style="list-style-type: none"> <li>• Couch or chair • Trolley • Stool • Towels • Blanket • Additional support if appropriate</li> <li>• Headband • Bedroll • Robe • Disposable slippers • Disinfecting fluid • Tissues • Cotton wool</li> <li>• Sponges • Gloves • Spatulas • Bowls • Mask brushes • Gauze • Sterilising solution • UV cabinet • Autoclave • Chemical immersion equipment • Waste disposal</li> </ul> <p>Electrical equipment as follows: • Electro muscle stimulator EMS (Faradic) • Galvanic • Microcurrent • Vacuum suction • Infra red • Mechanical massage/vibrator treatments</p>
2.5	Complete the treatment to the satisfaction of the client	<p>2.5.1 To include:</p> <ul style="list-style-type: none"> <li>• Conclusion of treatment in appropriate manner to meet client's needs</li> </ul>
2.6	Evaluate the results of the treatment	<p>2.6.1 To include:</p> <ul style="list-style-type: none"> <li>• Reviewing and recording treatment outcomes • Treatment recommendations • Homecare advice</li> </ul>
2.7	Provide suitable aftercare advice	<p>2.7.1 To include:</p> <ul style="list-style-type: none"> <li>• Recommendations for immediate aftercare • Suitable body care regime • Use of SPF • Lifestyle • Recommendation of further salon treatments</li> </ul>
2.8	Explain how to communicate and behave in a professional manner	<p>2.8.1 To include:</p> <ul style="list-style-type: none"> <li>• Consultation • Treatment explanation • Client care • Hygiene • Good communication skills</li> </ul>
2.9	Describe health and safety working practices	<p>2.9.1 To include:</p> <ul style="list-style-type: none"> <li>• Fire Precautions Act • Health &amp; Safety at Work Act • Health and Safety (First Aid) Regulations • The Management of Health &amp; Safety at Work Regulations • The Workplace (Health, Safety &amp; Welfare) Regulations • The Manual Handling Operations Regulations • The Personal Protective Equipment at Work Regulations • The Provision and Use of Work Equipment Regulations • The Control of Substances Hazardous to Health Regulations (COSHH) • The Electricity at Work Regulations • Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR) • Disability Discrimination Act • Data Protection Act • Adhere to all safety precautions and manufacturers instructions</li> </ul> <p>Specific safety precautions for each machine as follows:</p> <p>Electro muscle stimulator (EMS) (Faradism) • Galvanism • Microcurrent • Vacuum suction (lymphatic drainage) • • Infra red • Mechanical massage/vibrator treatments</p>

2.10 Explain the importance of positioning themselves and the client correctly throughout the treatment	2.10.1 To include: • Ensuring the client is comfortable and correctly supported • Applying the treatments as appropriate to the client's needs • Therapist maintaining correct posture/stance throughout treatment
2.11 Describe different body types and conditions	2.11.1 To include: • Mesomorph • Ectomorph • Endomorph • Dowager's hump • Round shoulders • Winged scapula • Midriff bulge • Protruding abdomen • Hyper-extended knees • Fluid retention • Weight distribution • Poor muscle tone • Kyphosis • Lordosis • Scoliosis
2.12 Explain the importance of using products, tools, equipment and techniques to suit client treatment needs, body type and conditions	2.12.1 To include: • Couch or chair • Trolley • Stool • Towels • Blanket • Additional support if appropriate • Headband • Bedroll • Robe • Disposable slippers • Disinfecting fluid • Tissues • Cotton wool • Sponges • Gloves • Spatulas • Bowls • Mask brushes • Gauze • Sterilising solution • UV cabinet • Autoclave • Chemical immersion equipment • Waste disposal Products and equipment applicable for the following: • Electro muscle stimulator EMS (Faradic) • Galvanic • Microcurrent • Vacuum suction • Infra red • Mechanical massage/vibrator treatments
2.13 Explain the effects and benefits of electrotherapy equipment and products on the skin and underlying structures	2.13.1 To include: • Microcurrent • Vacuum suction • Galvanism • Infra red • Mechanical massage/vibrator treatments (G5) • Vacuum suction • Electro muscle stimulator EMS (Faradic)  2.13.2 To include: Effects of the above electrotherapy treatments on the following: • Circulation • Lymphatic drainage • Skin • Muscular system • Ageing, • Moisture levels
2.14 Explain the principles of electrical currents	2.14.1 To include: • Protons • Neutrons • Electrons • Nucleus • Volts • Watts and Amperes • Ohms and Ohm's law and their relevance • Insulator • Conductor • Transformer • Rectifier • fuses Direct • Alternating • Interferential • Modified direct current • Wiring of a plug Types of equipment and current • Faradic – direct interrupted/surged current • High frequency – Alternating– indirect/direct • Galvanic – Direct – iontophoresis/desincrustation • Microcurrent – Modified direct current • Vacuum suction – AC • Infra Red - AC  2.15.1 To include:

2.15 Describe how treatments can be adapted to suit client treatment needs, body types and conditions	<ul style="list-style-type: none"> <li>• Restrictions • Client preferences and commitment • Product availability • Time scales</li> <li>• Costs • Microcurrent • Faradic • Galvanic • Vacuum suction • Infra red • Mechanical massage and Vibratory treatments</li> </ul>
2.16 State the contra-actions that may occur during and following treatments and how to respond	<p>2.16.1 To include:</p> <p>Galvanism: • Caustic burn • Galvanic burn • Allergic reaction • Skin irritation</p> <p>Faradism: • Muscle fatigue</p> <p>Vacuum suction: • Excessive erythema • Bruising</p> <p>Infra red: • Excessive erythema • Burning • Skin irritation</p> <p>Mechanical massage and Vibratory treatments: • Excessive erythema • Skin irritation • Bruising • Thread veins</p>
2.17 Explain the importance of completing the treatment to the satisfaction of the client	<p>2.17.1 To include:</p> <p>Concluding the treatment in appropriate manner to meet client's needs • Concluding the electrical treatment in an appropriate and safe manor to meet the clients needs • Ongoing treatments</p>
2.18 Explain the importance of completing treatment records	<p>2.18.1 To include:</p> <ul style="list-style-type: none"> <li>▪ Maintaining records ▪ Aftercare ▪ Home care ▪ Product advice ▪ Compliance with Data Protection</li> </ul>
2.19 Describe the methods of evaluating the effectiveness of the treatment	<p>2.19.1 To include:</p> <ul style="list-style-type: none"> <li>• Maintaining records for accurate future treatment • Aftercare • Home care • Product advice • Compliance with current legislation • Concluding the treatment in the correct manner to meet client's requirements • The treatment should be performed for the required amount of time efficiently and professionally ensuring the working area remains clean and tidy throughout</li> </ul>
2.20 Describe the aftercare advice that should be provided	<p>2.20.1 To include:</p> <ul style="list-style-type: none"> <li>• Based upon consultation, body analysis and relevant tests recommendations for ongoing or further treatments, home and aftercare advice • Healthy eating • Fluid/water intake • Exercise • Smoking habits • Hobbies • Interests • Rest • Relaxation • Stress levels • Sleep • General care and lifestyle advice and the beneficial effects thereof</li> </ul>
2.21 Describe the structure, growth and repair of the skin	<p>2.21.1 To include:</p> <ul style="list-style-type: none"> <li>♦ Skin - Epidermis: • Stratum Corneum • Stratum Lucidum • Stratum Granulosum</li> </ul>

<p>2.22 Describe body types, conditions, diseases and disorders</p>	<ul style="list-style-type: none"> <li>• Stratum Spinosum/Malphigian layer • Stratum Germinativum/Basal layer • Melanocytes • Dermis: • Blood supply • Lymphatic supply • Hair follicle • Hair • Sebaceous gland • Sweat glands: • Eccrine and apocrine • Sensory nerve endings • Dermal Papilla • Collagen • Elastin • Histeocytes • Mast Cells • Fibroblasts • Erector pili muscle and Subcutaneous layer • Secretion • Heat Regulation • Absorption • Protection • Elimination • • Sensation • Vitamin D formation (7-dehydro-cholesterol) • Keratinisation • Melanin Formation • Mitosis</li> </ul> <p>2.22.1 To include:</p> <ul style="list-style-type: none"> <li>• Mesomorph • Ectomorph • Endomorph • Kyphosis • Lordosis • Scoliosis</li> <li>♦ The skin:</li> <li>♦ Infestations: • Scabies • Pediculosis</li> <li>♦ Congenital: • Atopic eczema • Atopic dermatitis • Psoriasis</li> <li>♦ Bacterial: • Acne vulgaris • Impetigo • Acne rosacea • Boils • Folliculitis</li> <li>♦ Viral: • Warts • Herpes simplex • Herpes zoster</li> <li>♦ Fungal • Tinea (ringworm)</li> <li>♦ Pigmentation disorders: • Vitiligo • Albinism • Chloasma • Ephelides • Lentigo • Moles (papilloma) • Naevae • Port wine stain • Leucoderma</li> <li>♦ General disorders: • UV damage • Urticaria • Allergic reaction • Hyper keratosis</li> <li>♦ Skeletal: • Arthritis: Osteo and Rheumatoid • Gout • Osteoporosis • Stress</li> <li>♦ Cardio-vascular: • Anaemia • Varicose veins • Haemophilia • Arteriosclerosis</li> <li>• Atherosclerosis • HIV/AIDS • High blood pressure (hypertension) • Low blood pressure (hypotension) • High cholesterol • Hepatitis A,B &amp; C • Coronary thrombosis • Septicaemia</li> <li>• Haemorrhoids • Phlebitis • Thrombus • Leukaemia • Aneurism • Stress</li> <li>♦ Lymphatic: • Oedema/Water retention • Lymphoedema • Hodgkin's disease</li> <li>♦ Muscular: • Fibrositis • Cramp • Muscle Fatigue • Atony • Atrophy • Myositis • Rupture</li> <li>• Spasm • Spasticity • Sprain • Strain • Stress</li> <li>♦ Nervous: • Neuritis • Bell's Palsy • Neuralgia • Parkinson's Disease • Stress • Myalgic Encephalomyelitis (ME) • Cerebral Palsy • Multiple Sclerosis • Sciatica • Motor Neurone Disease</li> <li>♦ Digestive: • Appendicitis • Cirrhosis of the liver • Jaundice • Heartburn • Irritable bowel syndrome (IBS) • Ulcer • Hernia • Stress • Anorexia Nervosa • Bulimia • Constipation</li> <li>• Gall stones • Diabetes Mellitus • Diabetes Insipidus • Coeliac's disease</li> </ul>
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<p>2.23 Describe the structure, function, position and action of the muscles of the body</p>	<ul style="list-style-type: none"> <li>♦ Urinary: • Cystitis • Kidney stones • Nephritis</li> <li>♦ Endocrine: • Addison's syndrome • Amenorrhoea • Cushing's syndrome • Pre-menstrual Syndrome • Polycystic Ovarian Syndrome • Stress • Diabetes Mellitus • Diabetes Insipidus • Endometriosis</li> </ul> <p>2.23.1 To include:</p> <ul style="list-style-type: none"> <li>• Voluntary • Involuntary • Cardiac • Ligament • Tendon • Fascia • Origin • Insertion</li> <li>• Action • Tone • Tension • Fatigue • Flexion • Extension • Abduction • Adduction</li> <li>• Rotation • Supination • Pronation • Dorsiflexion • Plantarflexion • Eversion • Inversion</li> <li>• Circumduction</li> <li>♦ Trunk/torso <ul style="list-style-type: none"> <li>• Trapezius • Sternocleidomastoid • Erector Spinae • Splenius Capitis • Latissimus Dorsi</li> <li>• Serratus Anterior • Gluteus Maximus • Gluteus Medius • Gluteus Minimus • Psoas</li> <li>• Pectoralis Major and Minor • Rectus Abdominus • Internal Oblique • External Oblique</li> <li>• Transversus Abdominus • Rhomboid Major and Minor • Infrapinatus • Suprapinatus</li> <li>• Teres Major • Teres Minor • Iliacus • Subscapularis • Quadratus Lumborum</li> </ul> </li> <li>♦ Arm <ul style="list-style-type: none"> <li>• Deltoid • Biceps • Triceps • Brachialis • Coraco Brachialis • Brachioradialis</li> <li>• Pronator Teres • Supinator Radii Brevis • Flexor Carpi Radialis • Extensor Carpi Radialis</li> <li>• Extensor Carpi Ulnaris • Flexor Carpi Ulnaris • Flexor Carpi Digitorum • Extensor Carpi Digitorum • Muscles of Thenar eminence • Muscles of Hypothenar eminence</li> </ul> </li> <li>♦ Leg/Thigh <ul style="list-style-type: none"> <li>• Quadriceps: • Rectus Femoris • Vastus Lateralis • Vastus Medialis • Vastus Intermedius</li> <li>• Hamstrings: • Biceps Femoris • Semimembranosus • Semitendinosus • Adductor Longus</li> <li>• Adductor Magnus • Adductor Brevis • Gracilis • Sartorius • Piriformis • Gluteus Maximus</li> <li>• Gluteus Medius • Gluteus Minimus</li> </ul> </li> <li>♦ Lower Leg <ul style="list-style-type: none"> <li>• Gastrocnemius • Tibialis Anterior • Peroneus Longus • Flexor Digitorum Longus</li> <li>• Extensor Digitorum Longus • Soleus • Extensor Hallucis Longus</li> </ul> </li> <li>♦ Face, neck and scalp <ul style="list-style-type: none"> <li>• Orbicularis Oculi • Orbicularis Oris • Masseter • Buccinator • Levator Anguli Oris</li> <li>• Levator Labii Superioris • Depressor Anguli Oris • Depressor Labii Inferioris • Depressor Labii Oris</li> </ul> </li> </ul>
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<p>2.24 Describe the location, function and structure of the bones of the body</p>	<ul style="list-style-type: none"> <li>• Mentalis • Zygomaticus • Temporalis • Nasalis • Procerous • Corrugator • Frontalis</li> <li>• Occipitalis • Pterygoids • Triangularis • Trapezius • Platysma</li> </ul> <p>2.24.1 To include:</p> <ul style="list-style-type: none"> <li>• Support framework • Provides attachments for muscles • Forms joints to provide movement • Forms erythrocytes in the bone marrow • Stores calcium • Protection • Long</li> <li>• Short • Flat • Irregular • Sesamoid • Fixed • Slightly moveable • Freely moveable • Ball and Socket • Hinge • Pivot • Gliding • Saddle</li> </ul> <p>Cranium: • Parietal • Frontal • Ethmoid • Sphenoid • Occipital • Temporal</p> <p>Facial: • Nasal • Zygomatic • Maxilla • Lacrimal • Turbinator • Palatine • Mandible • Vomer • Hyoid</p> <p>Vertebrae: • Cervical • Thoracic • Lumbar • Sacrum • Coccyx</p> <p>Shoulder Girdle: • Scapula • Clavicle</p> <p>Thoracic Cage: • Ribs • Sternum</p> <p>Pelvic Girdle: • Innominate bones • Ischium • Ilium • Pubis</p> <p>Upper Limb: • Humerus • Ulna • Radius</p> <p>Carpals: • Scaphoid • Lunate • Triquetral • Pisiform • Trapezium • Trapezoid • Capitate • Hamate • Metacarpals • Phalanges</p> <p>Lower Limb: • Femur • Tibia • Fibula • Patella •</p> <p>Tarsals: • Talus • Calcaneus • Navicular • Cuneiforms (Medial, Intermediate, Lateral) • Cuboid • Metatarsals • Phalanges</p>
<p>2.25 Describe the structure and function of the circulatory and lymphatic systems for the body</p>	<p>2.25.1 To include:</p> <ul style="list-style-type: none"> <li>♦ Cardio-vascular • Erythrocytes • Leucocytes • Thrombocytes • Plasma and plasma proteins • Platelets • Arteries • Arterioles • Veins • Venules • Capillaries • Superior Vena Cava • Aortic Arch • Inferior Vena Cava • Aorta • Right Atrium • Right ventricle • Left atrium • Left ventricle • Septum • Pulmonary valve • Pulmonary artery • Pulmonary veins • Mitral (bicuspid) valve • Tricuspid valve • Endocardium • Myocardium • Pericardium</li> <li>• Blood pressure and pulse • Content of lymph • Transports waste • Purifies toxins • Adds antibodies, antitoxins and lymphocytes • Part of the immune system • Secondary circulation</li> <li>• Lymphocyte • Lymphatic Capillary • Lymphatic Vessel • Lymph Node • Lymphatic Duct</li> </ul>

2.26 Outline the structure and function of the digestive system	<p>2.26.1 To include:</p> <ul style="list-style-type: none"> <li>◆ Digestive - • Alimentary canal • Salivary glands • Tongue • Teeth • Mouth • Epiglottis • Oesophagus • Stomach • Small intestine (Jejunum, Ileum, Duodenum) • Appendix • Large intestine • Rectum • Anus • Accessory organs • Liver • Gall bladder • Pancreas • Peristalsis • Ingestion • Digestion • Absorption • Defecation</li> </ul>
2.27 Outline the structure and function of the endocrine system	<p>2.27.1 To include:</p> <ul style="list-style-type: none"> <li>◆ Endocrine - ◆ Pituitary Posterior Lobe • Oxytocin • Antidiuretic hormone (ADH or vasopressin) • Anterior lobe • Prolactin • Human growth Hormone (HGH) • Thyroid Stimulating Hormone (TSH) • Adrenocorticotrophin hormone (ACTH) • Luteinising Hormone (LH) • Follicle Stimulating hormone (FSH) • Interstitial cell stimulating hormone (ICH) • Melanin Stimulating Hormone (MSH)</li> <li>◆ Thyroid gland • Thyroxin • Triiodothyronine • Calcitonin</li> <li>◆ Parathyroids • Parathormone</li> <li>◆ Thymus • Secretion of T Lymphocytes</li> <li>◆ Pineal • Releases melatonin</li> <li>◆ Islets of Langerhans • Insulin • Glucagon • Glycogen</li> <li>◆ Adrenal medulla • Adrenalin • Noradrenalin</li> <li>◆ Adrenal cortex • Mineralocorticoids • Glucocorticoids • Sex hormones</li> <li>◆ Ovaries • Oestrogen • Progesterone</li> <li>◆ Testes • Testosterone</li> </ul>
2.28 Describe the structure and function of the nervous system for the body	<p>2..28.1 To include:</p> <ul style="list-style-type: none"> <li>◆ Nervous - • Neurone • Motor Neurone • Sensory Neurone • Mixed nerve • Dendrite • Axon • Synapse • Neurilemma • Nodes of Ranvier • White matter • Grey matter • Myelin Sheath • End feet/axon terminals • Ganglia • Reflex arc</li> <li>◆ Central nervous system : • Brain • Spinal cord</li> <li>◆ Peripheral nervous system: • 31 pairs of spinal nerves • 12 pairs of cranial nerves</li> <li>◆ Autonomic nervous system: • Sympathetic • Parasympathetic</li> </ul>
2.29 Explain how the ageing process, lifestyle and environmental factors affect the skin, body conditions and underlying structures	<p>2.29.1 To include:</p> <ul style="list-style-type: none"> <li>◆ Intrinsic ageing • Extrinsic ageing • The way in which our physical environment affects us and the way in which social, economic and environmental factors affect our health and social</li> </ul>

	well-being • Computers • Mobile phones • Processed food • Lack of light • Stress • Lack of sleep • Financial problems • Poor ventilation • Lack of exercise • Chemicals • Pollution • Repetitive strain injuries • Jet lag • Lack of natural light
<b>Unit 823 - Provide Body Electrotherapy Treatments</b> <b>Practical Assessment</b> All candidates will be examined via a practical examination of their technical skills and treatments techniques <b>Treatment evidence</b> Evidence of 5 Treatments to include: Consultation including medical history Treatment details After/Home care advice Candidates and Client signature Treatment date	<b>Unit 823 - Provide Body Electrotherapy Treatments</b> Practical assessment forms and marking criteria may be downloaded from <a href="http://www.itecworld.co.uk">www.itecworld.co.uk</a>  <b>Unit 823 - Provide Body Electrotherapy Treatments</b> must be evidenced through the use of signed and dated treatment evidence forms. See <a href="http://www.itecworld.co.uk">www.itecworld.co.uk</a> for sample form