

CHS Computing and Technology 2022/2023 BTEC Tech Awards Health and Social Care (Technology)

Human Lifespan Development (Component 1)	Health and Social Care Services and Values (Component 2)	Health and Wellbeing (Component 3)	
Learning outcomes	Learning outcomes	Assessment objectives	
A: Understand human growth and development across	A: Understand the different types of health and social	AO1 Knowledge of health and wellbeing	
life stages and the factors that affect it	care services and barriers to accessing them	AO2 Understanding of health and wellbeing.	
B: Understand how individuals deal with life events.	B: Understand the skills, attributes and values required to	AO3 Apply knowledge and understanding of health and	
	give care.	wellbeing.	
		AO4 Analyse and evaluate knowledge and understanding	
		of health and wellbeing	
Coursework task	Coursework task	External examination	
Internal – externally moderated	Internal – externally moderated	External Synoptic assessment	
30% of the final grade	30% of the final grade	40% of the final grade	
It should take approximately 36 GLH to complete.	It should take approximately 36 GLH to complete.	It should take approximately 48 GLH to complete.	
Assessment Windows:	Assessment Windows:	Assessment Windows:	
December/January and May/June from 2023 onwards	December/January and May/June from 2023 onwards	January/February and May/June from 2024 onwards	



CHS Computing and Technology 2023/2024

BTEC Tech Awards Health and Social Care (Technology)

Year 10	AUTUMN		SPR	ING	SUMMER	
	Introduction to Health and Wellbeing (Component 3)	Introduction to Health and Wellbeing (Component 3)	Introduction to Health and Wellbeing (Component 3)	Human Lifespan Development (Component 1)	Human Lifespan Development (Component 1)	Human Lifespan Development (Component 1)
Declarative What should they know? 'to know that' the facts, concepts, rules. It just sits there and waits to be of service	Factors that affect health and wellbeing Factors affecting health and wellbeing. Definition of health and wellbeing: a combination of physical health and social and emotional wellbeing, and not just the absence of disease or illness. Physical factors that can have positive or negative effects on health and wellbeing: inherited conditions – sickle cell disease, cystic fibrosis ophysical ill health – cardiovascular disease, obesity, type 2 diabetes omental ill health – anxiety, stress ophysical abilities	Interpreting health indicators Physiological indicators (physiological indicators are used to measure health) Interpretation of physiological data according to published guidelines: resting heart rate (pulse) — normal range 60 to 100 bpm heart rate (pulse) recovery after exercise — the heart's ability to return to normal levels after physical activity is a good indicator of fitness. blood pressure — low blood pressure 90/60mmHg or lower, ideal blood pressure between 90/60mmHg and 120/80mmHg, pre-high between120/80mmHg and 140/90mmHg, high blood pressure 140/90mmHg or	Person-centred approach to improving health and wellbeing. Person-centred approach The ways in which a person-centred approach considers an individual's: needs – to reduce health risks. wishes – their preferences and choices. circumstances – to include age, ability, location, living conditions, support, physical and emotional health. The importance of a person-centred approach for individuals: makes them more comfortable with recommendations, advice and treatment.	Understand human growth and de the factors that affect it (to support the factors in factor	of weight and height, motor skills, following the same ment but at different rates. of language and thinking skills med, emotional wellbeing is security and contentment. dults/carers, socialisation through veight and height, mastery of language fluency develops, ence, wider range of relationships	Coursework completion (Component 1) During this half term students will undertake coursework activities that contribute to 30% of their final grade. These activities will be outlined by an exam release and should take approximately 36 guided learning hours to complete (including teaching). Prior knowledge form lessons in Spring 2 and Summer 1 will support the declarative knowledge that students will be expected to know in order to perform coursework tasks: Task 1: PIES growth and development through the life stages Task 2: Impact of different factors on PIES growth and
	Lifestyle factors that can have positive or negative	higher o body mass index (BMI) – underweight below 18.5	o gives them more confidence in recommendations, advice and treatment. o ensures their unique and personal needs are met.	security and contentment. o social: social circle widens, and socialisation continues through social play develops.		development through the life stages



- effects on health and wellbeing:
- o nutrition
- o physical activity
- o smoking
- o alcohol
- o substance misuse.
- Social factors that can have positive or negative effects on health and wellbeing:
- supportive and unsupportive relationships with others – friends, family, peers and colleagues
- o social inclusion and exclusion
- bullying
- o discrimination.
- Cultural factors that can have positive or negative effects on health and wellbeing:
- o religion
- o gender roles and expectations
- o gender identity
- o sexual orientation
- o community participation.
- Economic factors that can have positive or negative effects on health and wellbeing:
- o employment situation
- o financial resources income, inheritance, savings.
- Environmental factors that can have positive or negative effects on health and wellbeing:

- kg/m2, healthy weight between
- o 18.5 kg/m2 and 24.9 kg/m2, overweight between 25 kg/m2 and 29.9 kg/m2, obese between 30 kg/m2 and 39.9 kg/m2, severely obese 40 kg/m2 or above.
- The potential significance of abnormal readings:
- o impact on current physical health (short-term risks)
- potential risks to physical health (long-term risks).

Lifestyle indicators (w lifestyle choices determine physical health)

- Interpretation of lifestyle data according to published guidelines:
- o nutrition the Eatwell Guide
- physical activity UK Chief
 Medical Officers' Physical
 Activity Guidelines
- smoking UK Chief Medical
 Officers' Smoking Guidelines
- o alcohol UK Chief Medical Officers' Alcohol Guidelines
- o substance misuse.

- increases the support available to more vulnerable individuals.
- improves their independence.
- o they are more likely to follow recommendations/actions to improve their health.
- they are more motivated to behave in ways that positively benefit their health.
- they feel happier and more positive about their health and wellbeing.
- The benefits of a personcentred approach for health and social care workers and services:
- it improves job satisfaction for health and social care workers.
- o it saves time for health and social care services.
- o it saves money for health and social care services.
- it reduces complaints about health and social care services and workers.

Recommendations and actions to improve health and wellbeing.

 Established recommendations for helping to improve health and wellbeing:

- adolescence (9–18 years):
- o physical: onset of puberty, differences between males and females, primary and secondary sexual characteristics
- o intellectual: complex and abstract thinking develops.
- emotional: independence increases further, more freedom to make own decisions, concerns over self-image and self-esteem may increase, emotional wellbeing is based on attachment, security and contentment.
- o social: wide range of formal/informal relationships develop and have influence, intimate relationships are formed.
- early adulthood (19–45 years):
- o physical: peak physical fitness, full height reached, sexual maturity reached, women at their most fertile.
- o intellectual: mastery of abstract and creative thinking, careers become important, may return to education.
- emotional: independent living and control over own lives, emotional wellbeing is based on attachment, security and contentment.
- $\circ\,$ social: intimate and long-lasting relationships are formed.
- middle adulthood (46–65 years):
- o physical: at the end of this life stage the ageing process begins, menopause occurs for women.
- o intellectual: can use knowledge and experience for complex decision making, may retire.
- o emotional: may experience changes in self-image and selfesteem linked to retirement or ageing process, emotional wellbeing is based on attachment, security and contentment.
- o social: may have more time to socialise.
- later adulthood (65+ years):
- physical: ageing process continues, decline in strength and fitness, loss of mobility, loss of muscle tone and skin elasticity.
- o intellectual: may experience decline in cognitive ability such as loss of memory/recall.
- emotional: may start to become more dependent on others, emotional wellbeing is based on attachment, security and contentment.
- o social: may experience bereavement and reduction of social circle.

- Task 3a: Impact of life events on PIES growth and development
- Task 3b: How individuals adapt to a life event



- o housing needs, conditions, location
- o home environment living with a high level of parental conflict, experiences of abuse and neglect.
- exposure to pollution air, noise and light.
- The impact on physical, intellectual, emotional and social health and wellbeing of different types of life event:
- o physical events
- o relationship changes
- o life circumstances.

- improving resting heart rate and recovery rate after exercise
- o improving blood pressure
- o maintaining a healthy weight
- o eating a balanced diet
- getting enough physical activity
- o quitting smoking
- o sensible alcohol consumption
- o stopping substance misuse.
- Support available when following recommendations to improve health and wellbeing:
- o formal support from professionals, trained volunteers, support groups and charities
- informal support from friends, family, neighbours, community and work colleagues.

Barriers and obstacles to following recommendations.

- Definition of barriers: something unique to the health and social care system that prevents an individual accessing a service.
- Potential barriers as appropriate to the individual and the recommendation:
- o physical barriers
- o barriers to people with sensory disability
- barriers to people with different social and cultural backgrounds

Factors affecting growth.

- · Physical factors:
- o inherited conditions; sickle cell disease, cystic fibrosis, muscular dystrophy, Marfan syndrome and Huntington's disease
- o experience of illness and disease
- o mental ill health anxiety, stress
- o physical ill health cardiovascular disease, obesity, type 2 diabetes
- o disabilities
- o sensory impairments.
- Lifestyle factors:
- o nutrition
- o physical activity
- o smoking
- o alcohol
- o substance misuse.
- Emotional factors:
- o fear
- o anxiety/worry
- o upset/sadness.
- o grief/bereavement
- o happiness/contentment
- o security
- o attachment.
- Social factors:
- o supportive and unsupportive relationships with others friends, family, peers and colleagues
- o social inclusion and exclusion
- o bullying
- o discrimination.
- Cultural factors:
- o religion
- o gender roles and expectations
- o gender identity
- o sexual orientation
- o community participation
- o race.
- Environmental factors:
- o housing needs, conditions, location





Procedural What should they be	As this element of the course is examined, and linked to a synoptic assessment, students	As this element of the course is examined, and linked to a synoptic assessment, students	As this element of the course is examined, and linked to a synoptic assessment, students	o multi-agency working, e.g. social health trust, children's services o multidisciplinary working, e.g. a psychiatric nurse with an occup The types of support that can be emotional support o information, advice, endorsed a practical help – financial assistate domestic chores, transport. Identify life stages of an individual. Give generic examples of milestones at	working with the justice system. health visitor working with a GP, ational therapist. elp individuals adapt:	The assignment for this component consists of four tasks.
able to do?	should be able to apply their	should be able to apply their	should be able to apply their	each life stage and begin to	each.	In response to Task 1,
'To know how to'	knowledge and understanding	knowledge and understanding	knowledge and understanding	recognise everyone is	Students should be able to	learners will demonstrate
produces action, how	to a given context/scenario.	to a given context/scenario.	to a given context/scenario.	different.	identity different	their knowledge and
to perform the steps	to a given context sections.	to a given context section.	to a given context section.	Identify PIES; recognise	practitioners and explain	understanding of the PIES
	This will focus analysis ,	This will focus analysis,	This will focus analysis ,	similarities and differences	what individuals might	growth and development
in a process.	evaluation and	evaluation and	evaluation and	individuals across the same	benefit from their support	through the life stages.
	recommendations being made	recommendations being made	recommendations being made	life stage.	and why.	• In response to Task 2,
	on the following areas:	on the following areas:	on the following areas:	Explain factors that could affect an individual's growth	Students should be able to explain what support family,	learners will demonstrate their knowledge and
	Be able to define health and	Be able to identify and	Be able to identify and	and development.	friends, culture, and religion	understanding of the impact
	wellbeing.	describe the impact of	describe the ways in which a	Explain factors that affect the	is given to an individual.	of different factors on PIES
	Identify physical factors that	Physiological indicators	person-centred approach	growth and development of	Students should be able to	growth and development
	can impact on health and	(physiological indicators are	considers an individual's:	an individual; compare	explain what various sources	through the life stages.
	wellbeing (including health	used to measure health)	needs, wishes and	individuals.	of support they would	• In response to Task 3a,
	conditions)	including.	circumstances.	Students should be able to	suggest for a specific	learners will demonstrate
	Identify how lifestyle factors	o Pulse	Consider the importance of a	explain the impact of physical	individual to ensure person	their knowledge and
	that can have positive or	o Heart rate	person-centred approach for individuals:	events on PIES with	centred care is upheld	understanding of the impact
	negative effects on health	o Blood pressure		examples.		of life events on PIES growth
	and wellbeing.Identify how social factors	o Body Mass Index	o making them more comfortable	Students should be able to synlain the impact of		and development.
	that can have positive or	Be able to analyse the potential significance of	o confident with	explain the impact of Relationship changes on PIES		In response to Task 3b, learners will demonstrate
	negative effects on health	abnormal readings:	recommendations	with examples.		their knowledge and
	and wellbeing.	Describe the impact on	o personalised needs are met,	Students should be able to		understanding of how
	Identify how cultural factors	current physical health	increases support.	explain the impact of physical		individuals adapt to life
	that can have positive or	(short-term risks)	o improves independence.	events on PIES with		events.
	negative effects on health	(o more likely to follow action	examples.		
	and wellbeing.		plans, motivated.	<u> </u>		



•	Identify how economic
	factors that can have positive
	or negative effects on health
	and wellbeing.

- Identify how environmental factors that can have positive or negative effects on health and wellbeing.
- Identify the impact on physical, intellectual, emotional and social health and wellbeing of different types of life event
- Highlight potential risks to physical health (long-term risks).
- Be able to identify and describe Lifestyle indicators (lifestyle choices determine physical health)
- Use the following guidelines to prepare advice and feedback.
- nutrition the Eatwell Guide
 physical activity UK Chief
 Medical Officers' Physical
 Activity Guidelines
- o smoking UK Chief Medical Officers' Smoking Guidelines
- o alcohol UK Chief Medical Officers' Alcohol Guidelines

- o happier
- Consider the importance of a person-centred approach for health and social care workers and services:
- o Job satisfaction
- o Time saving
- o Money saving
- o Reduction in complaints
- Be able to make recommendations and actions to improve health and wellbeing.
- To identify support available when following recommendations to improve health and wellbeing.
- Be aware of barriers and obstacles to recommendations including.
- o physical barriers
- o barriers to people with sensory disability
- o barriers to people with different social and cultural backgrounds
- o barriers to people that speak English as an additional language or those who have language or speech impairments.
- o geographical barriers
- o resource barriers for service provider
- o financial barriers.
- Be able to identify what 'being healthy' means to different people.
- Be able to explore the different factors that might influence health and wellbeing.

Wellbeing.



sent to the exam board.

	Be able to identify key health in	ndicators and how to interpret them	ı.			
	, ,	s health using what they've learned.				
	Be able to create a health and wellbeing improvement plan for that person, which includes targets and recommendations of support services available.					
	• • • • • • • • • • • • • • • • • • • •	Be able to reflect on the potential challenges the person may face when putting the plan into action.				
Disciplinary Literacy (Tier 3 Vocab)	Tier 3 Disciplinary literacy linked to the unit of study: Health and wellbeing Physical Anxiety Impairments Substance Inclusion Exclusion Discrimination gender identity sexual orientation financial resources	Tier 3 Disciplinary literacy linked to the unit of study: Physiological Data Pulse Blood pressure Body mass index (BMI) Abnormal Nutrition	Tier 3 Disciplinary literacy linked to the unit of study: Preferences Circumstances Person centres approach Vulnerable Independence Recommendations Job Satisfaction Tier 3 Disciplinary literacy linked to assessments: Assess Complete Describe Explain Give Identify Match	Tier 3 Disciplinary literacy linked to the unit of study: Intellectual Attachments Contentment Dependence Puberty Curiosity Influence Fertile/fertility Intimate Cognitive	Tier 3 Disciplinary literacy linked to the unit of study:	Tier 3 Disciplinary literacy linker to assessments: Limited Adequate Good Comprehensive Detailed Specific Well-developed Fully accurate Reasoning
			• State			
Assessment	Key assessed piece Explore the different factors that might influence health and wellbeing task. Key assessed piece End of topic assessment — Factors that affect health and wellbeing: Students will complete a summative assessment linked to the topics covered in Introduction to Health and Wellbeing.	Key assessed piece Create a health and wellbeing improvement plan for that person, which includes targets and recommendations of support services available. Key assessed piece End of topic assessment — Interpreting health indicators: Students will complete a summative assessment linked to the topics covered in Introduction to Health and	Progress Testing 1: Students will have a progress test paper in the spring term that covers key elements of the course covered in Year 10 (Health and Wellbeing).	Key assessed piece Identify PIES; recognise similarities and differences individuals across the same life stage. Key assessed piece Factors that affect the growth and development of an individual (identify and compare).	Key assessed piece Explain different sources of support giving examples of each. Key assessed piece Knowledge extension - Explain the various sources of support for a specific individual to ensure person centred care is upheld	Progress Testing 2: Coursewor completion (internally assesse for exam board – 30% of fina grade) Total Marks Available = 60 Students will complete an exar board released task tha supports their coursework un for Component 1. These ar published by the exam boar and run to a time window s submission will need to b timely ready for grades to b