

Technology at Lord Lawson of Beamish Academy

What are the aims of the technology department?

We believe that Technology equips students with skills that are needed throughout life. Through the teaching of theory and practical skills in food, textiles and design, Technology prepares students for life beyond education. Our mission is to ensure that all students leave this school with the necessary practical skills needed to live independently.

Our aim is to inspire students to become engineers, architects, chefs, fashion designers or health care workers and our curriculum pathways are designed to enable students to progress and thrive in a practical subject with confidence, equipping them with the knowledge and skills to succeed beyond school and in the workplace.

What will my child study in years 10 and 11?

Students study three units across key stage 4. R057 is an exam unit that assesses students understanding about the importance of pre-conception health and reproduction, antenatal care and preparation for birth. R058 is a coursework unit, in this unit students will learn how to create a safe environment for children from birth to five years in childcare settings. Students research and choose equipment that is suitable and safe for use. R059 is a coursework unit, this covers the development of a child from one to five years and is assessed by a set assignment. In this unit students will learn the physical, intellectual and social developmental norms for children from one to five years as well as the importance of creating plans and providing different play activities to support children in their development.

Year 10

Year 11

Year 10 child development

| | R058 – until February | R057 February – June |
|-------------------------------|--|---|
| Topic/Theme/ Genre | <p>Create a safe environment and understand the nutritional needs of children from birth to five years</p> <p>Students research and choose equipment that is suitable and safe for use and will learn about children’s nutrition and dietary needs.</p> <p>Topics include:</p> <ul style="list-style-type: none"> o Creating a safe environment in a childcare setting o Choosing suitable equipment for a childcare setting o Nutritional needs of children from birth to five years. | <p>Health and well-being for child development</p> <p>Students begin studying content for the exam unit. They will learn about the importance of pre-conception health and reproduction, antenatal care and preparation for birth.</p> <p>They’ll also learn about postnatal care and the conditions in which a child can thrive.</p> <p>Two topics will be covered during this time.</p> <ul style="list-style-type: none"> o Pre-conception health and reproduction o Antenatal care and preparation for birth |

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| Key vocabulary | Safety | Preconceptual health |
| | Equipment | Contraception |
| | Risk assessment | Reproductive system |
| | Hazard | Pregnancy |
| | Development | Amniotic fluid |
| | Supervision | Umbilical cord |
| | Childhood accidents | Ovulation |
| | Nutrition | Fertilisation |
| | Digestive system | Implantation |
| | Hygiene | Antenatal care |
| | Vitamins | Routine tests |
| | Minerals | Screening tests |
| | Eatwell Guide | Diagnostic tests |
| | | Stages of labour |
| | Birth | |
| | Pain relief | |

Year 11 child development

| | R059 – until February | R057 |
|---|--|---|
| Topic/Theme/ Genre | <p>Understand the development of a child from one to five years</p> <p>Students will understand the importance of creating plans and providing different play activities to support children in their development.</p> <p>Topics include:</p> <ul style="list-style-type: none"> o Physical, intellectual and social developmental norms from one to five years o Stages and types of play and how play benefits development o Observe the development of a child aged one to five years o Plan and evaluate play activities for a child aged one to five years for a chosen area of development. | <p>Health and well-being for child development</p> <p>Students will learn the remaining content of R057 before revisiting all topics in preparation for the exam.</p> <p>Two further topics will be covered during this time.</p> <ul style="list-style-type: none"> o Postnatal checks, postnatal care and the conditions for development o Childhood illnesses and a child safe environment. |
| Key vocabulary | <p>Physical</p> <p>Intellectual</p> <p>Social</p> <p>Motor skills</p> <p>Communication</p> <p>Language</p> | <p>APGAR</p> <p>Vernix</p> <p>Lanugo</p> <p>Examination</p> <p>Postnatal care</p> <p>Developmental needs</p> |

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| | Solitary | Socialisation |
| | Parallel | Stimulation |
| | Associative | Measles |
| | Cooperative | Meningitis |
| | Manipulative | Symptoms |
| | Creative | Hazard |
| | Imaginative play | Safety |
| | Narrative | |
| | Participative | |
| | Observation | |