

# Shenfield High School



## Departmental Rationales - BTEC 2021

**PRIVATE & CONFIDENTIAL**

## **BUSINESS**

### **BTEC Tech Award in Enterprise 603/1916/1**

Comprises of 3 Components:

- Component 1 (Internal) Exploring Enterprises
- Component 2 (Internal) Planning for and Running an Enterprise
- Component 3 (External) Promotion and Finance for Enterprise

#### **1. Completed Units**

No units have been totally completed.

#### **2. Partially completed Units**

Before the 1<sup>st</sup> lockdown in March 2020 Component 1 Criteria A and B had been completed but Criteria C was incomplete. Component 2 is currently being delivered to Yr11 but expect only Criteria A to be completed as this was started during the recent lockdown and a number of students have not engaged with work set. Component 3 exam was to be sat in February.

#### **3. Units that were due to be sat in January 2021**

Component 3 - 21429K

#### **4. Units that were submitted as CAGS when students were in Year 10 or 11**

Component 1 submitted in Yr10

#### **5. Units that are being taught but not assessed as per the BTEC guidance to ensure coverage but to allow for students not being able to complete due to the lockdown.**

None

### **Extended certificate in Business – 4 units (2 internal/2 external)**

1. Completed:
2. Partially completed: Unit 8 (Currently partially completed)
3. Jan 21: Unit 3
4. CAG/Exam board awarded exams: Unit 1, Unit 2(Exam)
5. Taught but not assessed: N/A

### **Extended National Diploma in Business – 13 units (9 internal/4 external)**

1. Completed: Unit 3
2. Partially completed: Unit 5, Unit 8, Unit 14, Unit 15, Unit 21 (Currently partially completed)
3. Jan 21: Unit 6
4. CAG/Exam board awarded exams: Unit 1, Unit 2 (Exam), Unit 4, Unit 9
5. Taught but not assessed: Unit 27

This also had a unit due to be sat as an exam in the summer (Unit 7)

## ENGINEERING

<b>Subject: Btec Engineering</b>
<b>How will I be assessed for my Centre-Assessed Grade?</b>
Your internal Btec Engineering assessments will be over two papers, these will be as similar in structure and content weighting to the normal Btec assessments as we can make them.
<b>Which topics will be assessed during the Internal Assessments?</b>
<b><i>Paper 1 – Task 1: Undertaking an engineering investigation (3-4 lessons)</i></b>  An assessment under controlled conditions in the classroom Students will be required to set up a practical investigation from a set of instructions. Students will be required to collect data using the apparatus they have set up. Students will be asked to analyse the data they collect and draw conclusion from it Student will be asked to evaluate the process of collecting the data.  <b><i>Paper 2 – Task 2: Evaluate an engineering design and process ( 1.5 hours)</i></b>  <b>Part 1</b> Students will be asked to evaluate a designed solution for a given engineering problem Students will be asked to design an improvement on the given engineering solution  <b>Part 2</b> Students will be asked to analyse a set of data Students will be asked to identify the issues in the data Students will be asked to suggest the reasons for the issues in the data and a possible solution to alleviate the errors
<b>Which Coursework or Class Work will contribute towards my Centre-Assessed Grade?</b>
<i>The completed work from the “night light project” will also be contribute to your final Btec grade. Students will be assessed on the quality and quantity of work completed. This work should include: - User specification requirement attained from the brief, Market research analysed using ACCESS FM Initial design ideas (hand drawn and annotated) Initial design ideas (produced on C.A.D.) Evaluation of design ideas based on User specification Final design idea</i>

## **Btec Engineering**

The Btec engineering course is compiled of 3 Components: -

- **Component 1** - Exploring Engineering Sectors and Design Applications (internal verification - 30%)
- **Component 2** - Investigating an Engineering Product (internal verification - 30%)
- **Component 3** - Responding to an Engineering Brief (external verification - 40%)

**Component 1** consists of 2 Learning Aims:-

- **LA. A** Started but not completed (Scheduled to be stated at the end of year 10 but not started until the beginning of year 11)
- **LA. B** Started but not completed (Scheduled at the beginning of year 11 but knocked forward due to LA.A was given as remote learning during 2020 and 2021 lockdowns).

**Component 2** consists of 3 Learning Aims. The **students have already been awarded a grade (TAG)** given to them at the end of last year.

- **LA. A** completed in year 10 (this was the basis of the TAG mentioned above)
- **LA. B** Started but not completed (Scheduled at the Feb half term of year 10 not started due to lockdown. This is a practical element and involved workshop time).
- **LA. C** Not started (Scheduled at the May half term of year 10, not started due to lockdown. This is a practical element and involved workshop time).

**Component 3** is a two part externally verified component. This was due to be undertaken in the Jan/Feb window this year but not undertaken. To the best of my knowledge, the exam paper as are with S.Lucas now.

**Part 1:** an applied practical investigation done in the classroom in controlled conditions over a 4 day window with 2-3 hours allocated to its completion.

**Part 2:** an examination completed under exam conditions of 1.5 hours in length. Preparation for this is what the students have been undertaking during remote learning.

If Btec is in agreement I would like to undertake Component 3 in the May assessment window and base our TAG on the examined elements.

## HEALTH AND SOCIAL CARE

<b>Subject: BTEC Tech Award Health and Social Care</b>
<b>How will I be assessed for my Centre-Assessed Grade?</b>
Your grade will be assessed on Component 1 and Component 2 – CAGs given at the end of year 10 and Component 3 – Internal Assessment. This will be based on learning aim A and B not on learning aim C as we have not covered this. This will be a 1 hour 30-minute paper.
<b>Which topics will be assessed during the Internal Assessments?</b>
<b>Paper 1 - Component 3: Health and Wellbeing (30 marks)</b>
<b>Learning Aim A: Factors that affect Health and wellbeing (Full specification content)</b>
<b>A1 Factors affecting health and wellbeing</b>
<ul style="list-style-type: none"><li>• Definition of health and wellbeing</li></ul>
<b>Physical and lifestyle factors that can have positive or negative effects on health and wellbeing:</b>
<ul style="list-style-type: none"><li>• Genetic inheritance, including inherited conditions and predisposition to other conditions</li><li>• Ill health (acute and chronic)</li><li>• Diet (balance, quality and amount)</li><li>• Amount of exercise</li><li>• Substance use, including alcohol, nicotine, illegal drugs and misuse of prescribed drugs</li></ul>
<ul style="list-style-type: none"><li>• Personal hygiene.</li></ul>
<b>Social, emotional and cultural factors that can have positive or negative effects on health and wellbeing:</b>
<ul style="list-style-type: none"><li>• Social interactions, e.g. supportive/unsupportive relationships, social integration/isolation</li><li>• Stress, e.g. work-related</li><li>• Willingness to seek help or access services, e.g. influenced by culture, gender, education.</li><li>• Economic factors that can have positive or negative effects on health and wellbeing:</li><li>• Financial resources.</li></ul>
<b>Environmental factors that can have positive or negative effects on health and wellbeing:</b>
<ul style="list-style-type: none"><li>• Environmental conditions, e.g. levels of pollution, noise</li><li>• Housing, e.g. conditions, location.</li></ul>
<ul style="list-style-type: none"><li>• The impact of life events relating to relationship changes and changes in life circumstances.</li></ul>
<b>Learning Aim B: Interpreting health indicators (Full specification content)</b>
<b>B1 Physiological indicators</b>

- Physiological indicators that are used to measure health:
  - Pulse (resting and recovery rate after exercise)
  - Blood pressure
  - Peak flow
  - Body mass index (BMI).
- Using published guidance to interpret data relating to these physiological indicators.
- The potential significance of abnormal readings: risks to physical health.
- Interpretation of lifestyle data, specifically risks to physical health associated with:
  - Smoking
  - Alcohol consumption
  - Inactive lifestyles.

#### **Which Coursework or Class Work will contribute towards my Centre-Assessed Grade?**

*Component 1: Human Lifespan Development – CAG grade given at the end of year 10.*

*Component 2: Health and Social Care Services – CAG grade given at the end of year 10*

## **Subject: BTEC Extended Diploma Health and Social Care**

### **How will I be assessed for my Centre-Assessed Grade?**

You grade will be assessed by the CAGs you were given at the end of year 12 for units: 1, 2, 5, 6, 7,14, and 17 and school internal assessments for examined units: Unit 3 and unit 4 and the internal units you completed in year 13: Unit 8 and 12.

School internal assessment Unit 4 – 1 hour 30-minute paper – based on some of learning aim A and all of learning aim B.

### **Which topics will be assessed during the Internal Assessments?**

#### **Paper 1 - Unit 4: Enquiries into Current Research in Health and Social Care (30 marks)**

**You will be given a health or social care research article two weeks before your internal assessment takes place.**

**Learning Aim, A: Types of issues where research is carried out in the health and social care sector (Some specification content)**

#### **A1 Purpose of research in the health and social care sector**

- The purpose of research – to improve outcomes for people using services, informing policy and practice, extending knowledge, and understanding, identifying gaps in provision.
- Examples of research that have led to an improvement in practice and policy, e.g., changes in treatment of health conditions, changes in practice in providing care and support.

#### **Learning Aim B: Research methods in health and social care (Full specification content)**

#### **B1 Research methodologies**

- Organisations involved in research, to include health authorities, local authorities, social service departments and charities and community organisations, Office for National Statistics (ONS).
- Research methods, including questionnaires, interviews, case studies, scientific experiments, checklists, observation, and their advantages and disadvantages.
- Analysis of data, e.g. data compiled from local authorities and GP surgeries, to identify

whether methods of care and support or treatment for health conditions are successful, to identify trends.

- The difference between qualitative and quantitative data.
- Conducting effective literature searches.
- Identifying, analysing and evaluating source material.

### **B2 Planning Research**

How to plan a piece of research, including:

- rationale for the research
- deciding on achievable objectives
- selecting appropriate research methods
- selecting target group and sample
- deciding realistic timescales
- deciding how research will be monitored and modified
- deciding measures for success
- considering ethical issues while carrying out research.

### **B3 Ethical issues**

Ethical principles in research reporting, including:

- maintaining confidentiality of participants, including of any settings
  - ensuring that participants have given their consent
- the need to seek consent from parents or carers if participants are under 18 or lack appropriate mental capacity
- research conduct, including keeping a professional distance
  - data protection legislation, policies and procedures, including using the research only for the stated purpose
  - human rights legislation, policies and procedures and how this relates to conduct of research (legislation must be current at time of delivery and applicable to England, Wales or Northern Ireland)
  - the use and misuse of results, including statistics that inform practice, informed consent from participants and the 1947 Nuremberg Code in relation to ethical research, misuse of results, e.g. Andrew Wakefield and the MMR research
  - conflicts of interest in research and how to avoid them, peer reviews including human subjects, mentoring, research misconduct, professional distance, disclosure and whistle-blowing
  - role of organisations, e.g., National Social Care Research Ethics Committee.

### **B4 Research skills**

- Time management, organisational skills.
- Non-judgemental practice.
- Showing connections between sources of information.
- Methods of analysis and drawing conclusions.
- Recognising potential sources of bias or error.
- Distinguishing between fact and opinion, and identifying bias.
- Interpreting graphs and tables produced by others.
- Selecting relevant numerical data.
- Analysis of results, including compilation of data, results and findings, use of methods of analysis valid for data collected, including triangulation, use of percentages, use of statistical averages.
- Making notes and keeping records from source material.
- Reading techniques, e.g. skimming, scanning.
- Conventions for presenting bibliography and reference lists.

**Which Coursework or Class Work will contribute towards my Centre-Assessed Grade?**

*Units 5, 6, 7, 8, 12, 14,17*

<b>Subject: BTEC Extended Certificate Health and Social Care</b>
<b>How will I be assessed for my Centre-Assessed Grade?</b>
You grade will be assessed by the CAGs you were given at the end of year 12 for units: 1 and 5 and internal assessments (assignment based) you have completed in year 13 – Unit 14. Unit 2 (external assessment) will be....(awaiting guidance from exam board)
<b>Which topics will be assessed during the Internal Assessments?</b>
N/A
<b>Which Coursework or Class Work will contribute towards my Centre-Assessed Grade?</b>
<i>Units: 5 – Meeting individual care and support needs and 14 – Physiological disorders and their care.</i>

### Departmental Rationale

We require a departmental rationale for each qualification, similar to last year. This should contain all the information around which topics have been covered, topics to be assessed and coursework completed/included. This is for leadership consumption only and can be changed over the coming weeks when we get more information from the exam boards. It doesn't have to be long, but does have to be clear enough for Carole to confidently sign off the CAGs.

### **BTEC Tech Award Level 1/2 – Health and Social Care:**

- Component 1- Human Lifespan Development and 2- Health and Social Care Services (both internally assessed units) CAGs will be included. CAGs were given at the end of year 10 and students were notified of these grades in September 2020.
- Students have been told these are first submission grades and if they wanted to achieve a higher grade in a unit, they could complete the required assignments and hand in for them to be assessed and internally verified.
- **Year 11:** Component 3- Health and Wellbeing is an external assessment due to be taken this summer.
- Students will complete an internal assessment and sit a 1 hour 30-minute paper based on learning aims A and B.

### **BTEC Extended Diploma Health and Social Care:**

- For Units 1, 2, 5, 6, 7, 14 and 17 students were given CAGs at the end of year 12 last year. Students were given these grades in September 2020.
- Students have been told these are first submission grades and if they wanted to achieve a higher grade in a unit, then they could complete the required assignments and hand in for them to be assessed and internally verified.
- **Year 13:** Unit 12 and 8 which are internally assessed units (assignment based) will be completed in year 13 and included within the CAG.
- **Year 13:** Students should have completed one external, Unit 4 in the summer. We are awaiting guidance from BTEC as to how external units will be assessed.



- **Unit 4** (External assessment) students will sit an internal assessment for Unit 4, based on learning aims A and B. This will be 1 hour 30 minutes long paper. Students will be given a health or social care piece of research two weeks before the internal assessment as this exam is a set task. This would normally happen in the external exam.
- **Unit 3** (external Assessment) was due to be taken in January 2021. This does not require an internal assessment. Rigorous assessments have already taken place in class that can be used to give a CAG for this unit.

#### **BTEC Extended Certificate Health and Social Care:**

- For Units 1 and 5 students were given at the end of year 12 last year. Students were given these grades in September 2020.
- Students have been told these are first submission grades and if they wanted to achieve a higher grade in a unit, then they could complete the required assignments and hand in for them to be assessed and internally verified.
- **Year 13:** Unit 14, which is an internally assessed (assignment-based unit) will be included.
- **Year 13:** Students should have completed one external unit – **Unit 2 in January 2021**. There is new guidance regarding the January exams. They do not need to take an internal assessment for this. Rigorous assessments have already taken place in class that can be used to give a CAG for this unit.

## MUSIC

### **BTEC Level 1/Level 2 First Award in Music**

Course is compiled of 4 Units. BTEC require 3 complete Units to be submitted.

- **Unit 1 – The Music Industry**
  - Externally assessed exam.
  - Students completed a mock exam in December 2020.
  - Due to have been sat by Year 11 in January 2021.
  - Have emailed Sue Lucas with regards to rearranging for internal assessment.
  
- **Unit 2 – Managing a Music Product**
  - Started teaching in December 2020.
  - Continued during Remote Learning.
  - Will be completed by Easter 2021 and then internally marked.
  - Using as part of the CAG.
  
- **Unit 7 – Music Sequencing**
  - Started teaching in June 2020.
  - Students due to have finished by February half term however due to COVID closure students will complete after Easter 2021 and internally marked.
  - Using as part of the CAG.
  - *Students given a CAG grade in Summer 2020 however, they have completed more of the work now and most have the chance on improving on the CAG that they were assigned.*
  
- **Unit 3 – Live Sound**
  - Completed unit in year 10.
  - Not a best representation of student's abilities.
  - **Not being used in the CAG.**

### **BTEC Level 3 National Extended Certificate in Music Performance**

Course is compiled of 4 Units. BTEC require 3 complete Units to be submitted.

- **Unit 1 – Practical Music Theory and Harmony**  
(mandatory and internally assessed)

Students have been studying towards this Unit over Remote Learning. Since students have returned to school, we have been working through what they completed and addressing any misconceptions. The remaining pieces of work required for this unit are currently being taught and should be completed just after Easter.

Marking and IV'ing will take place as usual of a range of students in the class following BTEC procedures and to ensure that students achieve the grades that they deserve from the work that they have produced.

**Unit 2 – Professional Practice in the Music Industry**  
(mandatory and externally assessed).

Students had been working towards this Unit from September 2020 and were due to take the external assessment in January 2021. Due to COVID restrictions, the exam didn't go ahead. Using past papers and mark schemes from BTEC, students will be able to sit an Internal Assessment.

This unit will be marked in line with the mark scheme provided by BTEC.

**Unit 3 – Ensemble Music Performance**  
(mandatory and externally assessed).

Students are shortly going to be starting this Unit in school. We were unable to start this unit as planned due to the Remote Learning and the fact that they need to perform as part of an ensemble. Students will complete this unit before the May half term giving time to properly assess and give the appropriate marks.

*The current year 13s were given a CAG last summer so there is potential that this could be used in the CAGs this year.*

## Subject: BTEC Level 3 Extended Certificate Music Performance

### How will I be assessed for my Centre-Assessed Grade?

We will continue with some of the previous changes made by the exam board for this academic year and adapt others. Your grade will be made up of three segments (units) based on the work that you have completed.

### Which topics will be assessed during the Internal Assessments?

The Internal Assessment will be on the work that you completed for **Unit 2 – Professional Practice in the Music Industry**. This work was undertaken from September through to December 2020.

You will work under supervised conditions where you are to undertake research, create a project plan, budget, rationale and presentation in response to a scenario that is set by BTEC. You will be required to do your research in two hours and will then be given five hours to complete your response(s) to the scenario. The total number of marks for the Unit is 70.

You will need to refer to your notes from the lessons from September to the end of December for revision however this will be revisited in class before the assessment period.

The areas covered in the assessment will be:

- Professional behaviours
- Project planning
- Legal requirements
- Health and Safety
- Working with others in the music industry
- Financial Requirements
- Communication skills
- Working on a freelance basis
- Preparing Ideas
- Presenting Ideas

### Which Coursework or Class Work will contribute towards my Centre-Assessed Grade?

#### Unit 1 – Practical Music Theory and Harmony

- Theory booklet
- Melody writing and chords-based composition.

#### Unit 3 – Ensemble Music Performance Skills.

- Understanding importance of Teamwork and Collaboration
- Planning in your ensemble
- Practical practice sessions
- Performances from your Ensemble

Please note: Class assessments will only be used if circumstances require it.

## Subject: BTEC Music Technology

### How will I be assessed for my Centre-Assessed Grade?

We will continue in line with the changes made by the exam board (BTEC) for this academic year. You will submit two (instead of three) Units of coursework and complete a Unit 1 – The Music Industry exam paper. We have completed and started to re-cap all content for the exam so there will be no surprises. The paper is one hour long.

### Which topics will be assessed during the Internal Assessments?

**The Internal Assessment will be split into three sections totalling 50 marks.  
The sections of the paper will be broken down into the following:**

**Section A** will feature mainly multiple choice questions based on job roles within the Music Industry. There will be some questions that require you to write a sentence or two for the answer.

**Sections B and C** will each be based on a scenario and feature questions where the answers vary in length. Each section will contain an extended answer question where you are required to give the positives and negatives regarding a situation and then draw a conclusion. These questions are worth 8 marks each.

### Which Coursework or Class Work will contribute towards my Centre-Assessed Grade?

#### **Unit 2 – Managing a Music Product**

Featuring your research and creation of your Podcast.

#### **Unit 7 – Music Sequencing**

Article of comparison

Tutorial videos

Creation of a piece of music using a DAW (Digital Audio Workstation).

If required:

**Unit 3 – Live Sound** (completed in year 10)

Please note: Class assessments will only be used if circumstances require it.

## PERFORMING ARTS

### Justification and Rationale for BTEC LEVEL 2 TECH AWARD PERFORMING ARTS

2019-2022 COHORT  
2019-20 Taught by MNO/ESH  
2020-21 Taught by ESH

- **Component 1:** Exploring the Performing Arts (Internal)— **30% of total course**
- **Component 2:** Developing Skills and Techniques in the Performing Arts (Internal)- **30% of total course**
- **Component 3:** Responding to a Brief (External) – **40% of total course**

1. **Currently no completed units**
2. **Partially completed units:** Component 1
3. **No units due to be sat in Jan 2021**
4. **Units that were submitted as CAGS when students were in Year 10:** Component 1 & 2  
*CAG grades have already been awarded for the above units in Summer 2020*
5. **Units that are being taught but not assessed:** Component 3. External paper was released on January the 4<sup>th</sup> 2021, with the Government stance that summer 2021 BTEC exams were still going ahead. The window for delivering this component is January 4<sup>th</sup> – May 10<sup>th</sup> 2021.

*Pupils were completing a mock Component 3 in November – December 2020, but did not get to finish the final two milestones (total 4 milestones) due the Year group isolating. The mock was only 50% complete and not a true reflection of their work towards this mock component.*

**Justification and Rationale for Raw Marks**  
**BTEC Level 3 Extended Certificate in Performing Arts**

Year 13 (2019-2021) cohort taught by: MNO / ESH

**Course Content Overview**

**4 units, of which 3 are mandatory and 2 are external.  
Mandatory content (83%). External assessment (58%).**

**Year 12 Units:**

- Unit 1: Investigating Practitioners Work (Mandatory unit - Unit assessed externally)
- Unit 2: Developing Skills and Techniques for Live Performance (Mandatory unit – Internally assessed)

**Year 13 Units:**

- Unit 3: Group Performance Workshop (Mandatory unit - Unit assessed externally)
- Unit 19: Acting Styles (Option unit – Internally assessed)

**1. Completed units**

- Unit 19: Acting Styles – Optional Unit – Internally Assessed
- Due to be completed 12/03/21

**2. Partially completed units**

- Unit 2: Developing Skills and Techniques for Live Performance – Only 60% of unit completed before Lockdown1 in March 2020

**3. Units that were due to be sat in January 2021**

- No units were due to be sat in January 2021

**4. Units that were submitted as CAGS when students were in Year 12**

- Unit 1: Investigating Practitioners Work (Mandatory unit - Unit assessed externally)
- Unit 2: Developing Skills and Techniques for Live Performance (Mandatory unit – Internally assessed)

**CAG grades have already been awarded for the above units in Summer 2020**

**5. Units that are being taught but not assessed as per the BTEC guidance to ensure coverage but to allow for students not being able to complete due to the lockdown.**

- Unit 3: Group Performance Workshop (Mandatory unit - Unit assessed externally) – Paper was released in January 2021 - Students will complete unit in May 2021.

## **SPORT**

### **BTEC Extended Certificate in Sport (1 x A-Level equivalent)**

4 Unit make up the course

1. Completed units: 3 and 7 will be completed
2. N/A
3. N/A
4. No units were submitted as CAGs as both year 12 units were exam units which could not be sat. We are waiting on BTEC to award grades for these units (1 and 2) which presumably will be done when we submit grades for the two coursework units this year.
5. N/A

### **BTEC National Extended Diploma in Sport and Exercise Science**

13 units make up the course

1. Completed units (including those that will be completed): 6, 7, 8, 10, 14
2. Partially completed (also awarded in yr12): 4 and 12
3. N/A
4. Units submitted as CAGS: Unit 4 was used as a CAG with one complete learning aim which was seemingly used by BTEC to calculate grades.  
Awarded by BTEC: 1, 2, 3, 13 (exam units), 4, 12, 5
5. Potentially Unit 15 depending how we progress.