CURRICULUM OVERVIEW 2018-19

# BTEC Construction

## Year 9

Success for All through Achievement, Challenge & Enjoyment

Ofsted Good Provider

# Curriculum Overview 2018-19

Year group: 9 b,c,d

Subject Betec construction

Periods per fortnight: 2 (one theory and one practical)

| **Term** | **Topics studied**<br>Add dates and any assessments included | **Extended learning opportunities**<br>(homework, controlled assessments, field work, trips etc.) | **How parents could support students** |
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| Autumn Term | Construction the Basics.<br><br>The wood work Preparation and math needed for the Curriculum is set up to enable students to learn the basics of how a building is formed and constructed. This is achieved through a series of practical and theory lessons.<br><br>1. Heath Safety in the workshop<br>2. How to use calculations in construction?<br>3. Range of work in construction industry.<br>4. Seasonality- fruit salad<br>5. Producing carpentry joints<br>6. Understanding construction drawing.<br>7. How to self-assess their work.<br><br>ASSESSMENT WKB 19th Nov -30 Nov | Regular flipped learning homework are set on Google classroom for example<br><br>1.research different materials used in the construction industry<br><br>2.Exploded different types of drawing techniques<br><br>3.completeing trigonometry in construction problem solving. | 1. Make sure students have the correct equipment. Eg pencil<br>2. How to research. |
| Spring Term | Construction the Basics<br><br>Continuing: -<br>8. Produce carpentry joints using different tools<br>9. Looking at the social aspects of the construction industry<br>10. How to use graph's in construction?<br>11. Check and test<br><br>ASSESSMENT WKB | 7. explore different types of material's and how they act in extreme weathers.<br><br>8 research shapes of building and how they react under different forces.<br><br>9. Revision | Same as above |

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| Summer Term | Construction the Basics<br><br>11 produce a dovetail joint.<br><br>12. Design a stair case and show all British standards<br>13. Draw and plan view of their site to a scale of 1:200<br>14. Soil investigation and foundation types<br>15. Thermal movement in construction materials<br><br>ASSESSMENT WKB | 12. lowing a roof using trigonometry<br><br>13 producing a dovetail joint to a distinction | Same as above |