

Gleniffer High School Art & Technical Faculty  
Senior Phase Course Rationales

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| <b>Subject</b>                   | <b>Art and Design</b>  |
| <b>Level</b>                     | National 4, National 5   |
| <b>Course outline</b>            | <p>The course is practical and experiential and the key focus is creativity. Learning in the course will develop knowledge of art and design practice and a range of practical media handling skills in both the expressive and design contexts. The course encourages learners to exercise imagination and creativity. It helps learners to be creative and to express themselves confidently in different ways. It also develops learners' ability to critically appreciate aesthetic and cultural values, identities and ideas. Learners will also investigate the factors influencing artists and designers work and practice and will use this understanding when developing and producing their expressive and design work.</p> <p>Pupils will also develop skills for learning, skills for life and skills for work. Pupils will be able to:</p> <ul style="list-style-type: none"> <li>• Identify areas for improvement and next steps for learning</li> <li>• Investigate, research, produce, analyse, evaluate</li> <li>• Apply thinking skills</li> <li>• Create through personalisation and choice</li> <li>• Prioritise tasks and work within deadlines</li> </ul> <p>Pupils will produce a Design Unit with Critical and an Expressive Unit with Critical both of which lead to the production of a folio.</p> |
| <b>Assessment</b>                | <p><b>NATIONAL 4:</b> All units are internally assessed on a pass/fail basis against requirements shown by the SQA. This will be subject to external Quality Assurance by the SQA.</p> <p><b>NATIONAL 5:</b> Pupils Expressive and Design Portfolios will be sent to the SQA for grading and a course award will be awarded in conjunction with a written question paper.</p>  |
| <b>Progression from S4 to S5</b> | Progression from National 4 into National 5 and from National 5 into Higher Art and Design   |

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| <b>Subject</b>                    | <b>Art and Design</b>  |
| <b>Level</b>                      | Higher   |
| <b>Recommended Entry</b>          | While entry is at the discretion of the centre, students will have attained National 5 Art and Design. The skills taught this course are transferrable to the Higher Course which requires further development of the Expressive and Design Element as well as the written Critical element.   |
| <b>Purpose and Aims of Course</b> | <p>The purpose of the Course is to provide a broad practical experience of art and design and related critical activity. The Course provides opportunities for learners to be inspired and creatively challenged as they explore how to visually represent and communicate their personal thoughts, ideas and feelings through their work.</p> <p>Learners will analyse the factors influencing artists' and designers' work and practice. They will use this understanding when developing and producing their own creative and personal expressive art and design work.</p> <p>Pupils will use complex design-based problem solving and evaluation skills when planning and refining their design ideas.</p> <p><b>The aims of the Course are to enable learners to:</b></p> <ul style="list-style-type: none"> <li>◆ Communicate personal thoughts, feelings and ideas through the creative use of art and design materials, techniques and/or technology</li> <li>◆ Analyse a range of Art and Design practice and critically reflect on the impact of external factors on artists and designers and their work</li> <li>◆ Plan, develop, produce and present creative Art and Design work</li> <li>◆ Develop personal creativity, using problem solving, critical thinking and reflective practice skills.</li> </ul> |
| <b>Course Details</b>             | <p>The Course is practical and experiential and the key focus is creativity. Learning in the Course will develop knowledge of Art and Design practice and a range of practical media handling skills in both expressive and design contexts. At this level, learners will show increasing personal autonomy and creative decision making when agreeing the content and context of their work.</p> <p>The Course encourages learners to be creative and to express themselves confidently in different ways. Learning in the Course will include active involvement in creative activities and the use of a range of art and design materials, techniques and/or technology. Learning through art and design also develops learners' ability to critically appreciate aesthetic and cultural values, identities and ideas.</p> <p>The Course allows learners to broaden and deepen their skills base, to widen their horizons regarding a range of careers and helps to develop attributes and capabilities of the four capacities. Throughout the Course, learners will develop perseverance, independence and resilience as they take increasing responsibility</p>   |

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|  | <p>for directing their learning, thus enhancing their self-confidence and enterprise skills.</p> <p><b>Course structure</b><br/> The Course has an integrated approach to learning and includes a mix of practical learning and analysis of art and design practice. In the Course learners will draw upon their detailed understanding of Art and Design work and practice as they experiment with using a range of selected art and design materials, techniques and/or technology to develop their own creative ideas. Learners will develop a range of complex problem-solving skills, and a critical understanding of the impact of social, cultural and other external factors on artists' and designers' work and practice.</p> <p>Pupils will undertake <b>Expressive Activity and Design Activity</b> to gain the course award; the learner must pass all the Units as well as the Course assessment.</p> |
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| <b>Subject</b>        | <b>Design and Manufacture</b>  |
| <b>Level</b>          | National 4, National 5   |
| <b>Course outline</b> | <p>National 4 and 5 Design and Manufacture provides a broad and practical experience in product design and manufacture. Learners will develop design skills and knowledge and understanding of materials and processes giving them an opportunity to demonstrate the following:</p> <ul style="list-style-type: none"> <li>• Skills in idea generation and refinement.</li> <li>• The ability to communicate design proposals.</li> <li>• Practical skills, by manufacturing their design ideas.</li> </ul> <p>The course is split into 4 main units that explore product evaluation, planning for design and manufacture. This allows learners to enhance their creative and practical skills which they will develop within the workshop environment through the design and manufacture of a variety of products. They will also develop the critical thinking skills required to effectively review and evaluate their work.</p> <p>Within Design and Manufacture pupils will develop skills for learning, skills for life and skills for work:</p> <ul style="list-style-type: none"> <li>• Numeracy: measurements, dimension</li> <li>• Employability, enterprise and citizenship: working creatively to resolve manufacturing problems, working co-operatively.</li> <li>• Thinking skills, understanding and applying: techniques and their application, impact of manufacturing activities.</li> <li>• Analysing and evaluating: evaluating the impact of manufacturing and materials activities.</li> </ul> |

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| <b>Assessment</b>                | <p><b>NATIONAL 4:</b> All units are internally assessed on a pass/fail basis against requirements shown by the SQA. This will be subject to external Quality Assurance by the SQA.</p> <p><b>National 5:</b> Pupils will produce a Design Assignment task which has 90 marks and accounts for 60% of the overall course award (Component 1). Component 2 is a question paper which has 60 marks and accounts for 40% of the overall course award.</p> |
| <b>Progression from S4 to S5</b> | Progression from National 4 into National 5 and from National 5 into Higher Design and Manufacture.   |

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| <b>Subject</b>                    | <b>Design and Manufacture</b>   |
| <b>Level</b>                      | Higher  |
| <b>Recommended Entry</b>          | While entry is at the discretion of the centre, students would normally be expected to have attained National 5 Design and Manufacture.   |
| <b>Purpose and Aims of Course</b> | <p>The Course combines elements of creativity and designing for aesthetic or visual impact with elements of designing for the practicalities of manufacturing. It helps the learner appreciate the importance to a product of form, function, and performance. It helps them develop strategies for the evaluation of these attributes and to refine and resolve their designs accordingly.</p> <p>The Course allows learners to consider the various factors that impact on a product's design. It will consider the life cycle of a product from its inception through design, manufacture, and use, including its disposal and/or re-use — cradle-to-cradle.</p> <p>The aims of the Course are to enable learners to develop:</p> <ul style="list-style-type: none"> <li>◆ Skills in design and in refining design proposals</li> <li>◆ Practical skills in the planning and development of models and prototypes</li> <li>◆ Skills in evaluation and research</li> <li>◆ Knowledge and understanding of manufacturing processes and materials</li> <li>◆ An understanding of the impact of design and manufacturing technologies on our environment and society.</li> </ul> |
| <b>Course Details</b>             | The Course provides a broad and practical experience in product design and manufacture. It provides opportunities for learners to gain skills in designing and communicating design proposals and opportunities for learners to refine and resolve their design ideas effectively.  |

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|  | <p>The Course stresses the integration of designing and making. It confirms that design is an iterative process. The Course highlights the close relationship between designing, making, testing, and refining design ideas.</p> <p>The Course provides opportunities for learners to apply practical skills and an understanding of the properties and uses of materials and manufacturing processes. It does so in a way that allows learners to inform and refine their own design proposals. It offers them opportunities to explore design alternatives and to consider the manufacturing practicalities that these design alternatives bring to light.</p> <p>The learner will draw on, extend and apply the skills, knowledge and understanding they have developed during the Course. These will be assessed through a combination of an assignment and a question paper.</p> |
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| <b>Subject</b>        | <b>Graphic Communication</b>   |
| <b>Level</b>          | National 4, National 5   |
| <b>Course outline</b> | <p>The National 4 and 5 course introduces learners to the diverse and ever increasing variety of presentation methods employed in Graphic Communication. They allow the opportunity for learners to gain skills in reading, interpreting and creating graphics as well as initiating, developing and communicating their ideas graphically.</p> <p>The courses are practical, exploratory and experiential in nature and combine elements of creativity and communication for visual impact with elements of design principles and standards. On completion of either courses learners will be able to exhibit skills and knowledge in graphic techniques using drawing equipment, computer graphics media and demonstrate understanding of the impact of graphics and its technologies on our environment and society.</p> <p>Within the course pupils will develop skills for learning, skills for life and skills for work:</p> <ul style="list-style-type: none"> <li>• Numeracy: measurements, dimension</li> <li>• Employability, enterprise and citizenship: using graphic packages, digital input and graphic devices.</li> <li>• Thinking skills, understanding, applying, analysing and evaluating: techniques and their application, impact of graphic activities, graphic knowledge to simple problems and communicate ideas, analysing and evaluating graphic solutions.</li> </ul> |

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| <b>Assessment</b>                | <p><b>NATIONAL 4:</b> All units are internally assessed on a pass/fail basis against requirements shown by the SQA. This will be subject to external Quality Assurance by the SQA.</p> <p><b>NATIONAL 5:</b> Pupils will be required to complete a question paper (component 1) which is worth 50 marks and accounts for 50% of the overall course award. They also need to complete an assignment in the form of a folio which is worth 50 marks and accounts for 50% of the overall course award.</p> |
| <b>Progression from S4 to S5</b> | Progression from National 4 into National 5 and from National 5 into Graphic Communication Higher   |

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| <b>Subject</b>                    | <b>Graphic Communication</b>   |
| <b>Level</b>                      | Higher   |
| <b>Recommended Entry</b>          | While entry is at the discretion of the centre, students would normally be expected to have attained National 5 Graphic Communication.   |
| <b>Purpose and Aims of Course</b> | <p>The Course provides opportunities for learners to initiate and develop their own ideas graphically. It allows them to develop skills in reading and interpreting graphics produced by others. Learners will continue to develop graphic awareness in often complex graphic situations thus expanding their visual literacy.</p> <p>The Course is practical, exploratory and experiential in nature. It combines elements of creativity and communicating for visual impact with elements of protocol and an appreciation of the importance of graphic communication standards, where these are appropriate.</p> <p>The Course allows learners to engage with technologies. It allows learners to consider the impact that graphic communication technologies have on our environment and society.</p> <p><b>The aims of the Course are to enable learners to develop:</b></p> <ul style="list-style-type: none"> <li>◆ Skills in graphic communication techniques, including the use of equipment, graphics materials and software</li> <li>◆ Creativity in the production of graphic communications to produce visual impact in meeting a specified purpose</li> <li>◆ Skills in evaluating the effectiveness of graphics in communicating and meeting their purpose</li> <li>◆ An understanding of graphic communication standards protocols and conventions, where these apply</li> <li>◆ An understanding of the impact of graphic communication technologies on our environment and society</li> </ul> |

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|                       | <ul style="list-style-type: none"> <li>◆ Produced orthographic sketching work which adheres to recognised standards and conventions and includes appropriate dimensions</li> <li>◆ Produced projected 2D orthographic drawing work that adheres to recognised standards and conventions and includes appropriate dimensions.</li> </ul>   |
| <b>Course Details</b> | <p>The Higher Graphic Communication Course offers a broad and creative experience in the subject of graphic communication and graphic design. This diverse and multi-faceted Course provides scope for personalisation and choice.</p> <p>The Course allows learners to broaden and deepen their skills base and to widen their horizons regarding a range of vocations and careers. It provides opportunities to further acquire and develop the attributes and capabilities of the four capacities, including: creativity, flexibility and adaptability; enthusiasm and a willingness to learn; perseverance, independence and resilience; responsibility and reliability; and confidence and enterprise.</p> <p>Learners are encouraged to exercise imagination, creativity and logical thinking. They will develop an awareness of graphic communication as an international language. They will find that the skills they acquire by successfully completing this Course will be invaluable for learning, for life and for the world of work.</p> <p>The Course is practical, exploratory and experiential in nature. On completing the Course, learners will have developed skills in 2D and 3D graphics, as well as pictorial graphics. They will be able to apply these skills with discernment in order to produce graphics with visual impact and graphics that require the effective transmission of information.</p> <p>Units are statements of standards for assessment and not programmes of learning and teaching. They can be delivered in a number of ways. As well as the Course assessment, the Course includes two mandatory Units. Both Units are designed to provide progression to the corresponding Units at Advanced Higher.</p> <p>To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment. The required Units are shown in the Course outline section. Course assessment will provide the basis for grading attainment in the Course award.</p> |

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| <b>Subject</b>        | <b>Practical Woodworking</b>  |
| <b>Level</b>          | National 4, National 5  |
| <b>Course outline</b> | The course provides learners to gain a range of practical woodworking skills and to use a variety of tools, equipment and |

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|                                  | <p>materials. It allows them to plan activities through to completion of a finished product in wood.</p> <p>The aims of the course are to enable learners to develop:</p> <ul style="list-style-type: none"> <li>• Skills in woodworking techniques</li> <li>• Skills in measuring and marking timber sections and sheet materials</li> <li>• Safe working practices in workshop environment</li> <li>• Practical creativity and problem solving skills</li> <li>• An understanding of sustainability issues in a practical woodworking context.</li> </ul> <p>Pupils will also develop skills for learning, skills for life and skills for work:</p> <p>Numeracy: money, time and measurement.</p> <p>Employability, enterprise and citizenship: working with others.</p> <p>Thinking skills: applying and creating.</p> |
| <b>Assessment</b>                | <p><b>NATIONAL 4:</b> To gain the award of the course, the learner must pass all of the units. All units are internally assessed on a pass/fail basis against requirements shown by the SQA. This will be subject to external Quality Assurance by the SQA.</p> <p><b>NATIONAL 5:</b> Pupils will develop skills throughout the session and the final grade awarded will be based on an SQA written exam 30% and an Assignment 70%. This will be subject to external Quality Assurance by the SQA.</p>  |
| <b>Progression from S4 to S5</b> | National 4 into National 5  |

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| <b>Subject</b>        | <b>Practical Metalworking</b>   |
| <b>Level</b>          | National 4, National 5  |
| <b>Course outline</b> | <p>The aims of the Course are to enable learners to develop:</p> <ul style="list-style-type: none"> <li>◆ Skills in metalworking techniques.</li> <li>◆ Skills in measuring out and marking metal sections and sheet materials.</li> <li>◆ Safe working practices in workshop environments.</li> <li>◆ Practical creativity and problem-solving skills.</li> <li>◆ Develop an understanding of sustainability issues in a practical metalworking context.</li> </ul> <p>This Course will also give learners the opportunity to develop thinking skills and skills in numeracy, employability, enterprise and citizenship.</p> <p>Pupils will:</p> |

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|                   | <ul style="list-style-type: none"> <li>◆ Use a range of metalworking tools, equipment and materials safely and correctly for metalworking tasks with some complex features</li> <li>◆ Adjust tools where necessary, following safe practices.</li> <li>◆ Read and interpret drawings and diagrams in familiar and some unfamiliar contexts.</li> <li>◆ Measure and mark out metal sections and sheet materials in preparation for cutting and forming tasks with some complex features.</li> <li>◆ Practical creativity in the context of familiar metalworking tasks with some complex features.</li> <li>◆ Follow, with autonomy, given stages of a practical problem-solving approach to metalworking tasks.</li> <li>◆ Apply with knowledge and understanding the safe working practices in a workshop.</li> <li>◆ Develop knowledge and understanding of the properties and uses of a rang</li> </ul> |
| <b>Assessment</b> | To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment.  |