

<b>KEY STAGE 4</b>	<b>COURSE CODE:</b> <b>COURSE TITLE:</b> <b>SPECIFICATION CODE:</b>	<b>603/0984/2</b> <b>AQA – DESIGN AND TECHNOLOGY</b> <b>8552</b>	<b>WRITTEN EXAM 2 HOURS</b> <b>100 MARKS 50% GCSE</b> <b>NEA: 30 -35 HOURS 100 MARKS 50% GCSE</b>
	<b>TERM 1</b>	<b>TERM 2</b>	<b>TERM 3</b>
<b>AQA DESIGN AND TECHNOLOGY GCSE 9 – 1 YEAR 10</b>	<b>PROJECT 1 – MODELLING ASSIGNMENT – MEMPHIS GROUP</b> <p>THIS PROJECT IS DESIGNED TO DEVELOP THOSE SKILLS TAUGHT AT KS3 AND IS STRUCTURED TO BUILD SKILLS NEEDED FOR THEIR NEA.</p> <p>DESIGN BRIEF, RESEARCH, DESIGN IDEAS, DESIGN DEVELOPMENT.</p> <p>PROTOTYPE PRODUCTION USING 3D PRINTER AND OR TRADITIONAL MATERIALS.</p> <p>THEORY LESSONS RUN ALONG SIDE PRACTICAL LESSONS AND COVER THE FOLLOWING TOPICS:</p> <p><b>3.1 CORE TECHNICAL PRINCIPLES</b></p> <p>NEW &amp; EMERGING TECHNOLOGIES  ENERGY GENERATION &amp; STORAGE  DEVELOPMENTS IN NEW MATERIALS  SYSTEMS APPROACH TO DESIGNING</p>	<b>PROJECT 2 – PLASTICS PROJECT – CHARLES RENNIE MACKINTOSH</b> <p>THIS PROJECT IS DESIGNED TO DEVELOP THOSE SKILLS TAUGHT AT KS3 AND IS STRUCTURED TO BUILD SKILLS NEEDED FOR THEIR NEA, WITH A PARTICULAR FOCUS ON THE USE OF POLYMERS.</p> <p>DESIGN BRIEF, DESIGNER RESEARCH, PRODUCT RESEARCH USING ACCESS FM, DESIGN IDEAS, DESIGN DEVELOPMENT SHOWING A NUMBER OF ITERATIONS USING 3D SOFTWARE TO EMBED CORE SKILLS.</p> <p>FINAL PRODUCT, PRODUCED IN THE WORKSHOP USING A RANGE OF HAND AND MACHINERY TOOLS.</p> <p>THEORY LESSONS RUN ALONG SIDE PRACTICAL LESSONS AND COVER THE FOLLOWING TOPICS:</p> <p><b>3.2 SPECIALIST TECHNICAL PRINCIPLES</b></p> <p>SELECTION OF MATERIALS OR COMPONENTS  FORCES &amp; STRESSES  ECOLOGICAL &amp; SOCIAL FOOTPRINT  SOURCES &amp; ORIGINS  USING FORMS TYPES &amp; SIZES</p>	<b>CORE SKILLS – DEPENDANT ON PROGRESS IN FIRST TWO TERMS A SERIES OF MININ PROJECT WILL BE UNDERTAKEN USING APPROPRIATE MATERIALS &amp; PROCESSES.</b> <p><b>NEA QUESTION ISSUED ON JUNE 1<sup>ST</sup> – ONCE ISSUED RESEARCH INTO CONTEXTS BEGINS.</b></p> <p>THEORY LESSONS RUN ALONG SIDE PRACTICAL LESSONS AND COVER THE FOLLOWING TOPICS:</p> <p><b>3.3 DESIGNING AND MAKING PRINCIPLES</b></p> <p>INVESTIGATION, PRIMARY &amp; SECONDARY DATA  ENVIRONMENTAL, SOCIAL &amp; ECONOMIC CHALLENGE  THE WORK OF OTHERS  DESIGN STRATEGIES  COMMUNICATION OF DESIGN IDEAS</p>

	<p>MECHANICAL DEVICES MATERIALS &amp; THEIR WORKING PROPERTIES</p> <p><b>HOMEWORK IS DESIGNED TO EMBED THEORY KNOWLEDGE TAUGHT IN THEORY LESSONS AND IS AN ON-LINE SYSTEM WHICH CAN BE ACCESSED FROM ANY SUITABLE DEVICE THAT IS SPECIFIC TO THE COURSE STUDIED.</b></p>	<p>SCALE &amp; WORKING WITH MATERIALS STOCKS OF PRODUCTION SPECIALIST TECHNIQUES &amp; PROCESSES SURFACE TREATMENTS &amp; FINISHES</p> <p><b>HOMEWORK IS DESIGNED TO EMBED THEORY KNOWLEDGE TAUGHT IN THEORY LESSONS AND IS AN ON-LINE SYSTEM WHICH CAN BE ACCESSED FROM ANY SUITABLE DEVICE THAT IS SPECIFIC TO THE COURSE STUDIED.</b></p>	<p>PROTOTYPE DEVELOPMENT SELECTION OF MATERIALS &amp; COMPONENTS TOLERANCES MATERIAL MANAGEMENT SPECIALIST TOOLS &amp; EQUIPMENT SPECIALIST TECHNIQUES &amp; PROCESSES</p> <p><b>IN TERM 3 THERE IS A WRITTEN END OF YEAR EXAM THIS WILL INDICATE GAPS IN LEARNING AND CURRENT PROGRESS AND WILL FORM THEIR END OF YEAR GRADE.</b></p>	
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	<b>TERM 1</b>	<b>TERM 2</b>	<b>TERM 3</b>	
<p><b>YEAR 11</b></p> <p><b>AQA</b></p> <p><b>DESIGN</b></p> <p><b>AND</b></p> <p><b>TECHNOLOGY</b></p> <p><b>GCSE</b></p>	<p><b>NON EXAMINATION ASSESSMENT – ISSUED IN JUNE IS THE FOCUS FOR TERM 1</b></p> <p>INTENDED TO BE AN ITERATIVE PROCESS SO THE LEARNING ACTIVITIES WILL BE DIRECTED BY THE</p>	<p><b>MOCK EXAMS – PREVIOUSLY NOVEMBER BUT HAVE TAKEN PLACE IN OCTOBER IN MORE RECENT YEARS</b></p> <p><b>NON EXAMINATION ASSESSMENT – CONTINUED.</b></p>	<p><b>REVISION FOR EXTERNALLY ASSESSED SUMMER EXAMINATION 50%</b></p>	<p><b>SUMMER EXAMS (STUDY LEAVE)</b></p>

	<p>STUDENT FOLLOWING A DESIGN CONTEXT ISSUED BY THE EXAM BOARD.</p> <p><b>HOMEWORK IS DESIGNED TO EMBED THEORY KNOWLEDGE TAUGHT IN THEORY LESSONS AND IS AN ON-LINE SYSTEM WHICH CAN BE ACCESSED FROM ANY SUITABLE DEVICE THAT IS SPECIFIC TO THE COURSE STUDIED.</b></p>	<p>INTENDED TO BE AN ITERATIVE PROCESS SO THE LEARNING ACTIVITIES WILL BE DIRECTED BY THE STUDENT FOLLOWING A DESIGN CONTEXT ISSUED BY THE EXAM BOARD.</p> <p><b>HOMEWORK IS DESIGNED TO EMBED THEORY KNOWLEDGE TAUGHT IN THEORY LESSONS AND IS AN ON-LINE SYSTEM WHICH CAN BE ACCESSED FROM ANY SUITABLE DEVICE THAT IS SPECIFIC TO THE COURSE STUDIED.</b></p>		
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