

## SUMMARY OF FRAMEWORK FOR ENVIRONMENTAL STUDIES

COMPONENT	ATTAINMENT OUTCOMES	KNOWLEDGE AND UNDERSTANDING STRANDS	SKILLS STRANDS	DEVELOPING INFORMED ATTITUDES STRANDS
Social Subjects (These relate to History)	People in the past	<ul style="list-style-type: none"> <li>• People, events and societies</li> <li>• Change and continuity, cause and effect</li> <li>• Time and historical sequence</li> <li>• The nature of historical evidence</li> </ul>	(These apply to <u>all</u> areas)	(These apply to <u>all</u> areas)
Geography	People and Place	<ul style="list-style-type: none"> <li>• Using maps</li> <li>• The physical environment</li> <li>• The human environment</li> <li>• Human-physical interactions</li> </ul>	<ul style="list-style-type: none"> <li>• Preparing for tasks</li> </ul>	<ul style="list-style-type: none"> <li>• A commitment to learning</li> </ul>
Modern Studies	People in Society	<ul style="list-style-type: none"> <li>• People and needs in society</li> <li>• Rules, rights and responsibilities in society</li> <li>• Conflict and decision making in society</li> </ul>	<ul style="list-style-type: none"> <li>• Carrying out tasks</li> </ul>	<ul style="list-style-type: none"> <li>• Respect and care for self and others</li> </ul>
Science  These relate to aspects of Chemistry, Physics and Biology	Earth and Space  Energy and Forces  Living things and the processes of life	<ul style="list-style-type: none"> <li>• Earth in space</li> <li>• Materials from Earth</li> <li>• Changing materials</li> <li>• Properties and uses of energy</li> <li>• Conversion and transfer of energy</li> <li>• Forces and their effects</li> <li>• Variety and characteristic features</li> <li>• The processes of life</li> <li>• Interaction of living things with their environment</li> </ul>	<ul style="list-style-type: none"> <li>• Reviewing and reporting on tasks</li> </ul>	<ul style="list-style-type: none"> <li>• Social and environmental responsibility</li> </ul>
Technology (Relates to Home Economics, Technical, Education)	Technological capability	<ul style="list-style-type: none"> <li>• Needs and how they are met</li> <li>• Resources and how they are managed</li> <li>• Processes and how they are applied</li> </ul>		

## SKILLS IN SOCIAL SUBJECTS – ENQUIRY

Appendix 2

STRAND	LEVEL A	LEVEL B	LEVEL C	LEVEL D	LEVEL E	LEVEL F
<p><b>PREPARING FOR TASKS</b></p> <p>Planning tasks in a systematic and logical way</p> <p>Identifying appropriate sources of information</p>	<ul style="list-style-type: none"> <li>▪ suggest ways of finding answers to given questions</li> </ul>	<ul style="list-style-type: none"> <li>▪ identify simple approaches to tackling tasks and solving problems by asking questions and making suggestions</li> <li>▪ identify some relevant sources of information from those readily available</li> </ul>	<ul style="list-style-type: none"> <li>▪ plan a sequence of activities for tackling an enquiry, class or homework task</li> <li>▪ suggest relevant sources of information that might assist in a particular enquiry task</li> </ul>	<ul style="list-style-type: none"> <li>▪ plan a sequence of tasks or procedures, adapting as required</li> <li>▪ identify a variety of straightforward sources from which relevant information might be collected</li> </ul>	<ul style="list-style-type: none"> <li>▪ plan appropriate strategies, resources and sequence of tasks or procedures, adapting as required</li> <li>▪ identify a variety of sources from which relevant information might be collected and give reasons for choice</li> </ul>	<ul style="list-style-type: none"> <li>▪ plan appropriate strategies, resources and sequence of tasks or procedures, adapting as required</li> <li>▪ identify a variety of sources, including complex ones, from which relevant information might be collected, and give reasons for choice</li> </ul>
<p><b>CARRYING OUT TASKS</b></p> <p>Selecting relevant information and/or equipment: observe, measure, find, select, record</p> <p>Processing information in a variety of ways</p> <p>Evaluating the usefulness and reliability of information</p>	<ul style="list-style-type: none"> <li>▪ find simple pieces of information, e.g. from displays, fieldwork, picture books or written sources</li> <li>▪ process/classify simple information (e.g. pictorially)</li> </ul>	<ul style="list-style-type: none"> <li>▪ select and record information for a given purpose, e.g. from a display, talk, film, book or simple weather equipment</li> <li>▪ process/classify simple information in a variety of ways, e.g. making a map or diagram</li> </ul>	<ul style="list-style-type: none"> <li>▪ select and record specific information for a given purpose from a variety of sources available in the school or local community</li> <li>▪ select simple techniques to process/classify straightforward information in a variety of ways</li> <li>▪ distinguish in an elementary way between fact and opinion, fact/truth and fiction</li> </ul>	<ul style="list-style-type: none"> <li>▪ select and use known enquiry methods and/or equipment to access, select and record relevant information from a variety of straightforward sources</li> <li>▪ select techniques to process/classify information in a variety of ways, e.g. the results of a questionnaire</li> <li>▪ make simple judgements about the usefulness/reliability of information/evidence, e.g. by reference to bias</li> </ul>	<ul style="list-style-type: none"> <li>▪ select and use suitable methods and/or equipment to access, select and record a range of relevant information from a variety of different types of sources</li> <li>▪ select techniques to process/classify information in a variety of ways, justifying choice</li> <li>▪ make judgements about what evidence is relevant and reliable, e.g. by reference to bias, exaggeration and selective use of information</li> </ul>	<ul style="list-style-type: none"> <li>▪ make independent use of suitable methods and techniques to access, select and record information from a range of sources, including complex ones</li> <li>▪ make independent use of techniques to process/classify information in a variety of ways, justifying choice</li> <li>▪ recognise when information is likely to be irrelevant, biased or unacceptably inaccurate</li> </ul>
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Presenting findings in an appropriate and coherent way</p> <p>Presenting conclusions that are relevant to the given purpose or issue</p>	<ul style="list-style-type: none"> <li>▪ present work to class by contributing to a classroom display and giving oral/written accounts of their part in class activity</li> <li>• answer simple questions from the teacher on what they have found out</li> </ul>	<ul style="list-style-type: none"> <li>▪ present findings in a brief report, e.g. written, talk, poster</li> <li>▪ present some simple conclusions based on their findings</li> </ul>	<ul style="list-style-type: none"> <li>▪ present findings in a report, communicating key points clearly</li> <li>▪ present conclusions giving reasons</li> </ul>	<ul style="list-style-type: none"> <li>▪ present findings in an organised and appropriate manner</li> <li>▪ present conclusions and justify these with reference to evidence</li> </ul>	<ul style="list-style-type: none"> <li>▪ present findings in a report (orally or in writing), showing clear organisation and appropriate specialist vocabulary</li> <li>▪ present conclusions that are well supported by reference to presented information</li> </ul>	<ul style="list-style-type: none"> <li>▪ present an extended report (orally or in writing), showing a clear and coherent argument or analysis</li> <li>• present detailed conclusions, or conclusions on more complex issues, that are well supported by reference to presented information.</li> </ul>

## SKILLS IN SCIENCE – INVESTIGATING

STRAND	LEVEL A	LEVEL B	LEVEL C	LEVEL D	LEVEL E	LEVEL F
<p><b>PREPARING FOR TASKS</b></p> <p>Understanding the task and planning a practical activity</p> <p>Predicting</p> <p>Understanding fair testing</p>	<ul style="list-style-type: none"> <li>▪ make suggestions and contribute to the planning of simple practical explorations</li> </ul>	<ul style="list-style-type: none"> <li>▪ plan simple approaches by asking questions and making suggestions</li> <li>▪ make suggestions about what might happen</li> <li>• recognise when a test or comparison is unfair</li> </ul>	<ul style="list-style-type: none"> <li>▪ suggest a question for exploration and decide how they might find an answer</li> <li>▪ make reasoned predictions about a possible outcome</li> <li>▪ suggest some ways of making a test fair</li> </ul>	<ul style="list-style-type: none"> <li>▪ identify two or three questions to investigate</li> <li>▪ provide reasons for planning decisions</li> <li>▪ include fair testing by changing one factor</li> <li>▪ show awareness of the significance of variables</li> </ul>	<ul style="list-style-type: none"> <li>▪ identify a number of questions to investigate</li> <li>▪ plan a valid and reliable test for a given hypothesis</li> </ul>	<ul style="list-style-type: none"> <li>▪ formulate a testable hypothesis</li> <li>▪ plan an appropriate strategy to investigate a hypothesis</li> </ul>
<p><b>CARRYING OUT TASKS</b></p> <p>Observing and measuring</p> <p>Recording findings in a variety of ways</p>	<ul style="list-style-type: none"> <li>▪ carry out simple observations and measurements</li> <li>▪ record observations in a simple form</li> </ul>	<ul style="list-style-type: none"> <li>▪ use simple equipment and techniques to make observations and measurements</li> <li>▪ record findings in a range of ways</li> </ul>	<ul style="list-style-type: none"> <li>▪ select and use appropriate measurement devices or make appropriate observations</li> <li>▪ record findings in a greater range of ways</li> </ul>	<ul style="list-style-type: none"> <li>▪ make an appropriate series of accurate measurements</li> <li>▪ select an appropriate way of recording findings</li> </ul>	<ul style="list-style-type: none"> <li>▪ select and use appropriate forms of graphical presentation</li> </ul>	<ul style="list-style-type: none"> <li>▪ make a series of measurements of the independent and dependent variables</li> <li>▪ make their own selection and be able to use appropriate recording and presentation techniques</li> </ul>
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Reporting and presenting</p> <p>Interpreting and evaluating results and processes</p>	<ul style="list-style-type: none"> <li>▪ participate in the presentation of the findings through visual displays and oral reports</li> <li>• answer simple questions about what happened</li> </ul>	<ul style="list-style-type: none"> <li>▪ make a short report of an investigation</li> <li>▪ answer questions on the meaning of the findings</li> <li>▪ recognise simple relationships and draw conclusions</li> </ul>	<ul style="list-style-type: none"> <li>▪ make a short report of an investigation, communicating key points clearly</li> <li>▪ explain what happened, drawing on their scientific knowledge</li> <li>▪ make links to original predictions</li> </ul>	<ul style="list-style-type: none"> <li>▪ make an organised report of an investigation using appropriate illustrations</li> <li>▪ provide explanations related to scientific knowledge</li> <li>▪ draw conclusions consistent with the findings</li> <li>▪ identify limitations of the approach used</li> </ul>	<ul style="list-style-type: none"> <li>▪ write a structured report of an investigation using appropriate illustrations and vocabulary</li> <li>▪ establish links between the results and the original hypothesis</li> <li>▪ suggest improvements to the approach used</li> </ul>	<ul style="list-style-type: none"> <li>▪ evaluate a range of aspects of the investigation.</li> </ul>

## SKILLS IN TECHNOLOGY – DESIGNING AND MAKING

STRAND	LEVEL A	LEVEL B	LEVEL C	LEVEL D	LEVEL E	LEVEL F
<p><b>PREPARING FOR TASKS</b></p> <p>Analysing needs or problems.</p> <p>Researching what might be useful in addressing them.</p> <p>Planning ways to proceed.</p>	<ul style="list-style-type: none"> <li>▪ talk about what might be done to solve a practical problem</li> <li>▪ talk about possible requirements (design criteria)</li> <li>▪ suggest uses for given resources</li> <li>▪ follow a simple plan</li> </ul>	<ul style="list-style-type: none"> <li>▪ describe possible approaches to solving a practical problem</li> <li>▪ suggest helpful design criteria, based on discussion</li> <li>• suggest uses for available resources</li> <li>• make a simple plan by talking, writing, or drawing</li> </ul>	<ul style="list-style-type: none"> <li>▪ identify a problem and describe possible approaches</li> <li>▪ select helpful design criteria, based on observation and discussion</li> <li>▪ select possible resources and processes</li> <li>▪ think up and communicate a plan</li> </ul>	<ul style="list-style-type: none"> <li>▪ identify a problem, describe what needs to be done and give reasons for approaches</li> <li>▪ suggest and select relevant information to decide helpful design criteria, based on observation and discussion, and with reference to potential users</li> <li>▪ investigate and select resources and processes</li> <li>▪ develop and communicate a sequenced plan, individually and in groups, using appropriate media</li> </ul>	<ul style="list-style-type: none"> <li>▪ identify a problem, need and/or opportunity, explain what needs to be done in responding to, and in drawing up a design brief</li> <li>▪ discuss and analyse relevant information and factors that will help establish design criteria.</li> <li>▪ Investigate and select a range of resources and processes</li> <li>▪ present a plan logically and effectively, making reference to equipment, systems and manufacturing processes</li> <li>▪ adapt plans to take account of further insight or changing circumstances</li> </ul>	<ul style="list-style-type: none"> <li>▪ discuss and analyse an extensive range of factors to help establish design criteria relating to small and large-scale production</li> <li>▪ devise methods of obtaining and compiling raw data into a useful form for the selection of resources and processes</li> <li>▪ present a comprehensive plan for small or large-scale production, taking account of changing circumstances and audience</li> </ul>
<p><b>CARRYING OUT TASKS</b></p> <p>Developing ideas to address needs or problems.</p> <p>Creating solutions.</p>	<ul style="list-style-type: none"> <li>▪ use ideas and suggestions to try out possible solutions to a brief practical task</li> <li>▪ show awareness, in their work, of any specific requirements (design criteria)</li> <li>▪ use given resources and processes to carry out a task safely and hygienically</li> </ul>	<ul style="list-style-type: none"> <li>▪ use ideas and suggestions through talking, writing, drawing or by modelling to show how a brief practical task could be solved</li> <li>▪ show both spontaneity and awareness of planning in carrying out a task</li> <li>▪ use known design criteria to make decisions in their work</li> </ul>	<ul style="list-style-type: none"> <li>▪ use ideas, including from observation of existing products, to show possible solutions to a practical task</li> <li>▪ follow a plan, introducing other ideas where appropriate</li> <li>▪ relate ongoing work firmly to design criteria</li> <li>▪ use given and self-selected resources and processes to carry out a task safely and hygienically</li> </ul>	<ul style="list-style-type: none"> <li>▪ use ideas, including any new suggestions, to represent a solution to a practical task</li> <li>▪ relate ongoing work firmly to design criteria, taking account of any necessary modifications</li> </ul>	<ul style="list-style-type: none"> <li>▪ use ideas from a variety of sources to represent a solution to a practical task</li> <li>▪ make considered changes to a plan</li> <li>▪ justify decisions in relation to design criteria</li> <li>▪ select from a range of possibilities, and use resources and processes to carry out a task safely, hygienically and effectively</li> </ul>	<ul style="list-style-type: none"> <li>▪ use ideas, demonstrating a range of techniques and presentation skills</li> <li>▪ demonstrate effective and confident use of equipment, resources and processes to carry out a task safely, hygienically and efficiently</li> </ul>
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Testing and evaluating solutions and the ways they were achieved.</p>	<ul style="list-style-type: none"> <li>▪ comment on the outcome of their work in relation to given requirements, and by comparing with the work of peers</li> </ul>	<ul style="list-style-type: none"> <li>• carry out simple tests of their work against a limited number of design criteria</li> <li>▪ show awareness of possible improvements</li> <li>▪ express views through talking, writing and drawing</li> </ul>	<ul style="list-style-type: none"> <li>▪ evaluate their own work, and that of peers, by reference to simple tests that address design criteria</li> <li>▪ offer suggestions for possible improvements in developing solutions</li> <li>▪ express and record suggestions for improvements through talking, writing and drawing</li> </ul>	<ul style="list-style-type: none"> <li>▪ suggest ways of gathering valid evidence, including from intended users, to assess the quality of their work against design criteria</li> <li>▪ use observation and evidence from tests in identifying, suggesting and developing improvements</li> <li>▪ record evaluative comment using a range of methods</li> <li>▪ show awareness of some consequences of their choices throughout a task</li> </ul>	<ul style="list-style-type: none"> <li>▪ devise, organise and carry out tests of existing and proposed solutions in order to suggest possible improvements</li> <li>▪ evaluate a design activity in relation to the main design criteria</li> <li>▪ show awareness of the consequences, beneficial or otherwise, of their own suggestions and decisions, by making evaluative, evidence-based comment on their own and others' work</li> </ul>	<ul style="list-style-type: none"> <li>▪ devise, organise and carry out tests relating to small and large-scale production</li> <li>▪ evaluate a design activity in relation to the design criteria, taking account of economic, social and environmental consequences</li> <li>▪ take account of possible contradictory evidence arising from the views of individuals or groups, and make valid judgements.</li> </ul>

**SKILLS IN SCIENCE – INVESTIGATING**

School .....

Name of Pupil .....

STRAND	LEVEL A	Working at	Has achieved /Date	LEVEL B	Working at	Has achieved /Date	LEVEL C	Working at	Has achieved /Date
<b>PREPARING FOR TASKS</b> Understanding the task and planning a practical activity  Predicting  Understanding fair testing	<ul style="list-style-type: none"> <li>▪ make suggestions and contribute to the planning of simple practical explorations</li> </ul>			<ul style="list-style-type: none"> <li>▪ plan simple approaches by asking questions and making suggestions</li> <li>▪ make suggestions about what might happen</li> <li>• recognise when a test or comparison is unfair</li> </ul>			<ul style="list-style-type: none"> <li>▪ suggest a question for exploration and decide how they might find an answer</li> <li>▪ make reasoned predictions about a possible outcome</li> <li>▪ suggest some ways of making a test fair</li> </ul>		
<b>CARRYING OUT TASKS</b> Observing and measuring  Recording findings in a variety of ways	<ul style="list-style-type: none"> <li>▪ carry out simple observations and measurements</li> <li>▪ record observations in a simple form</li> </ul>			<ul style="list-style-type: none"> <li>▪ use simple equipment and techniques to make observations and measurements</li> <li>▪ record findings in a range of ways</li> </ul>			<ul style="list-style-type: none"> <li>▪ select and use appropriate measurement devices or make appropriate observations</li> <li>▪ record findings in a greater range of ways</li> </ul>		
<b>REVIEWING AND REPORTING ON TASKS</b> Reporting and presenting  Interpreting and evaluating results and processes	<ul style="list-style-type: none"> <li>▪ participate in the presentation of the findings through visual displays and oral reports</li> <li>• answer simple questions about what happened</li> </ul>			<ul style="list-style-type: none"> <li>▪ make a short report of an investigation</li> <li>▪ answer questions on the meaning of the findings</li> <li>▪ recognise simple relationships and draw conclusions</li> </ul>			<ul style="list-style-type: none"> <li>▪ make a short report of an investigation, communicating key points clearly</li> <li>▪ explain what happened, drawing on their scientific knowledge</li> <li>▪ make links to original predictions</li> </ul>		

**SKILLS IN SCIENCE – INVESTIGATING**

Cont/d

STRAND	LEVEL D	Working at	Has achieved /Date	LEVEL E	Working at	Has achieved /Date	LEVEL F	Working at	Has achieved /Date
<p><b>PREPARING FOR TASKS</b></p> <p>Understanding the task and planning a practical activity</p> <p>Predicting</p> <p>Understanding fair testing</p>	<ul style="list-style-type: none"> <li>▪ identify two or three questions to investigate</li> <li>▪ provide reasons for planning decisions</li>   <li>▪ include fair testing by changing one factor</li> <li>▪ show awareness of the significance of variables</li> </ul>			<ul style="list-style-type: none"> <li>▪ identify a number of questions to investigate</li> <li>▪ plan a valid and reliable test for a given hypothesis</li> </ul>			<ul style="list-style-type: none"> <li>▪ formulate a testable hypothesis</li> <li>▪ plan an appropriate strategy to investigate a hypothesis</li> </ul>		
<p><b>CARRYING OUT TASKS</b></p> <p>Observing and measuring</p> <p>Recording findings in a variety of ways</p>	<ul style="list-style-type: none"> <li>▪ make an appropriate series of accurate measurements</li>   <li>▪ select an appropriate way of recording findings</li> </ul>			<ul style="list-style-type: none"> <li>▪ select and use appropriate forms of graphical presentation</li> </ul>			<ul style="list-style-type: none"> <li>▪ make a series of measurements of the independent and dependent variables</li>   <li>▪ make their own selection and be able to use appropriate recording and presentation techniques</li> </ul>		
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Reporting and presenting</p> <p>Interpreting and evaluating results and processes</p>	<ul style="list-style-type: none"> <li>▪ make an organised report of an investigation using appropriate illustrations</li> <li>▪ provide explanations related to scientific knowledge</li> <li>▪ draw conclusions consistent with the findings</li> <li>▪ identify limitations of the approach used</li> </ul>			<ul style="list-style-type: none"> <li>▪ write a structured report of an investigation using appropriate illustrations and vocabulary</li>   <li>▪ establish links between the results and the original hypothesis</li> <li>▪ suggest improvements to the approach used</li> </ul>			<ul style="list-style-type: none"> <li>▪ evaluate a range of aspects of the investigation.</li> </ul>		

**SKILLS IN TECHNOLOGY – DESIGNING AND MAKING**

**School** .....

**Name of Pupil** .....

STRAND	LEVEL A	Working at	Has achieved /Date	LEVEL B	Working at	Has achieved /Date	LEVEL C	Working at	Has achieved /Date
<p><b>PREPARING FOR TASKS</b></p> <p>Analysing needs or problems.</p> <p>Researching what might be useful in addressing them.</p> <p>Planning ways to proceed.</p>	<ul style="list-style-type: none"> <li>▪ talk about what might be done to solve a practical problem</li> <li>▪ talk about possible requirements (design criteria)</li> <li>▪ suggest uses for given resources</li> <li>▪ follow a simple plan</li> </ul>			<ul style="list-style-type: none"> <li>▪ describe possible approaches to solving a practical problem</li> <li>▪ suggest helpful design criteria, based on discussion</li> <li>• suggest uses for available resources</li> <li>• make a simple plan by talking, writing, or drawing</li> </ul>			<ul style="list-style-type: none"> <li>▪ identify a problem and describe possible approaches</li> <li>▪ select helpful design criteria, based on observation and discussion</li> <li>▪ select possible resources and processes</li> <li>▪ think up and communicate a plan</li> </ul>		
<p><b>CARRYING OUT TASKS</b></p> <p>Developing ideas to address needs or problems.</p> <p>Creating solutions.</p>	<ul style="list-style-type: none"> <li>▪ use ideas and suggestions to try out possible solutions to a brief practical task</li> <li>▪ show awareness, in their work, of any specific requirements (design criteria)</li> <li>▪ use given resources and processes to carry out a task safely and hygienically</li> </ul>			<ul style="list-style-type: none"> <li>▪ use ideas and suggestions through talking, writing, drawing or by modelling to show how a brief practical task could be solved</li> <li>▪ show both spontaneity and awareness of planning in carrying out a task</li> <li>▪ use known design criteria to make decisions in their work</li> </ul>			<ul style="list-style-type: none"> <li>▪ use ideas, including from observation of existing products, to show possible solutions to a practical task</li> <li>▪ follow a plan, introducing other ideas where appropriate</li> <li>▪ relate ongoing work firmly to design criteria</li> <li>▪ use given and self-selected resources and processes to carry out a task safely and hygienically</li> </ul>		
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Testing and evaluating solutions and the ways they were achieved.</p>	<ul style="list-style-type: none"> <li>▪ comment on the outcome of their work in relation to given requirements, and by comparing with the work of peers</li> </ul>			<ul style="list-style-type: none"> <li>• carry out simple tests of their work against a limited number of design criteria</li> <li>▪ show awareness of possible improvements</li> <li>▪ express views through talking, writing and drawing</li> </ul>			<ul style="list-style-type: none"> <li>▪ evaluate their own work, and that of peers, by reference to simple tests that address design criteria</li> <li>▪ offer suggestions for possible improvements in developing solutions</li> <li>▪ express and record suggestions for improvements through talking, writing and drawing</li> </ul>		

**SKILLS IN TECHNOLOGY – DESIGNING AND MAKING Cont/d**

STRAND	LEVEL D	Working at	Has achieved /Date	LEVEL E	Working at	Has achieved /Date	LEVEL F	Working at	Has achieved /Date
<p><b>PREPARING FOR TASKS</b></p> <p>Analysing needs or problems.</p> <p>Researching what might be useful in addressing them.</p> <p>Planning ways to proceed.</p>	<ul style="list-style-type: none"> <li>▪ identify a problem, describe what needs to be done and give reasons for approaches</li> <li>▪ suggest and select relevant information to decide helpful design criteria, based on observation and discussion, and with reference to potential users</li> <li>▪ investigate and select resources and processes</li> <li>▪ develop and communicate a sequenced plan, individually and in groups, using appropriate media</li> </ul>			<ul style="list-style-type: none"> <li>▪ identify a problem, need and/or opportunity, explain what needs to be done in responding to, and in drawing up a design brief</li> <li>▪ discuss and analyse relevant information and factors that will help establish design criteria.</li> <li>▪ Investigate and select a range of resources and processes</li> <li>▪ present a plan logically and effectively, making reference to equipment, systems and manufacturing processes</li> <li>▪ adapt plans to take account of further insight or changing circumstances</li> </ul>			<ul style="list-style-type: none"> <li>▪ discuss and analyse an extensive range of factors to help establish design criteria relating to small and large-scale production</li> <li>▪ devise methods of obtaining and compiling raw data into a useful form for the selection of resources and processes</li> <li>▪ present a comprehensive plan for small or large-scale production, taking account of changing circumstances and audience</li> </ul>		
<p><b>CARRYING OUT TASKS</b></p> <p>Developing ideas to address needs or problems.</p> <p>Creating solutions.</p>	<ul style="list-style-type: none"> <li>▪ use ideas, including any new suggestions, to represent a solution to a practical task</li> <li>▪ relate ongoing work firmly to design criteria, taking account of any necessary modifications</li> </ul>			<ul style="list-style-type: none"> <li>▪ use ideas from a variety of sources to represent a solution to a practical task</li> <li>▪ make considered changes to a plan</li> <li>▪ justify decisions in relation to design criteria</li> <li>▪ select from a range of possibilities, and use resources and processes to carry out a task safely, hygienically and effectively</li> </ul>			<ul style="list-style-type: none"> <li>▪ use ideas, demonstrating a range of techniques and presentation skills</li> <li>▪ demonstrate effective and confident use of equipment, resources and processes to carry out a task safely, hygienically and efficiently</li> </ul>		
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Testing and evaluating solutions and the ways they were achieved.</p>	<ul style="list-style-type: none"> <li>▪ suggest ways of gathering valid evidence, including from intended users, to assess the quality of their work against design criteria</li> <li>▪ use observation and evidence from tests in identifying, suggesting and developing improvements</li> <li>▪ record evaluative comment using a range of methods</li> <li>▪ show awareness of some consequences of their choices throughout a task</li> </ul>			<ul style="list-style-type: none"> <li>▪ devise, organise and carry out tests of existing and proposed solutions in order to suggest possible improvements</li> <li>▪ evaluate a design activity in relation to the main design criteria</li> <li>▪ show awareness of the consequences, beneficial or otherwise, of their own suggestions and decisions, by making evaluative, evidence-based comment on their own and others' work</li> </ul>			<ul style="list-style-type: none"> <li>▪ devise, organise and carry out tests relating to small and large-scale production</li> <li>▪ evaluate a design activity in relation to the design criteria, taking account of economic, social and environmental consequences</li> <li>▪ take account of possible contradictory evidence arising from the views of individuals or groups, and make valid judgements.</li> </ul>		

**SKILLS IN SOCIAL SUBJECTS - ENQUIRY**

**School** .....

**Name of Pupil** .....

STRAND	LEVEL A	Working at	Has achieved /Date	LEVEL B	Working at	Has achieved /Date	LEVEL C	Working at	Has achieved /Date
<p><b>PREPARING FOR TASKS</b></p> <p>Planning tasks in a systematic and logical way</p> <p>Identifying appropriate sources of information</p>	<ul style="list-style-type: none"> <li>suggest ways of finding answers to given questions</li> </ul>			<ul style="list-style-type: none"> <li>identify simple approaches to tackling tasks and solving problems by asking questions and making suggestions</li> <li>identify some relevant sources of information from those readily available</li> </ul>			<ul style="list-style-type: none"> <li>plan a sequence of activities for tackling an enquiry, class or homework task</li> <li>suggest relevant sources of information that might assist in a particular enquiry task</li> </ul>		
<p><b>CARRYING OUT TASKS</b></p> <p>Selecting relevant information and/or equipment: observe, measure, find, select, record</p> <p>Processing information in a variety of ways</p> <p>Evaluating the usefulness and reliability of information</p>	<ul style="list-style-type: none"> <li>find simple pieces of information, e.g. from displays, fieldwork, picture books or written sources</li> <li>process/classify simple information (e.g. pictorially)</li> </ul>			<ul style="list-style-type: none"> <li>select and record information for a given purpose, e.g. from a display, talk, film, book or simple weather equipment</li> <li>process/classify simple information in a variety of ways, e.g. making a map or diagram</li> </ul>			<ul style="list-style-type: none"> <li>select and record specific information for a given purpose from a variety of sources available in the school or local community</li> <li>select simple techniques to process/classify straightforward information in a variety of ways</li> <li>distinguish in an elementary way between fact and opinion, fact/truth and fiction</li> </ul>		
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Presenting findings in an appropriate and coherent way</p> <p>Presenting conclusions that are relevant to the given purpose or issue</p>	<ul style="list-style-type: none"> <li>present work to class by contributing to a classroom display and giving oral/written accounts of their part in class activity</li> <li>answer simple questions from the teacher on what they have found out</li> </ul>			<ul style="list-style-type: none"> <li>present findings in a brief report, e.g. written, talk, poster</li> <li>present some simple conclusions based on their findings</li> </ul>			<ul style="list-style-type: none"> <li>present findings in a report, communicating key points clearly</li> <li>present conclusions giving reasons</li> </ul>		

**SKILLS IN SOCIAL SUBJECTS – ENQUIRY Cont/d**

STRAND	LEVEL D	Working at	Has achieved /Date	LEVEL E	Working at	Has achieved /Date	LEVEL F	Working at	Has achieved /Date
<p><b>PREPARING FOR TASKS</b></p> <p>Planning tasks in a systematic and logical way</p> <p>Identifying appropriate sources of information</p>	<ul style="list-style-type: none"> <li>plan a sequence of tasks or procedures, adapting as required</li> <li>identify a variety of straightforward sources from which relevant information might be collected</li> </ul>			<ul style="list-style-type: none"> <li>plan appropriate strategies, resources and sequence of tasks or procedures, adapting as required</li> <li>identify a variety of sources from which relevant information might be collected and give reasons for choice</li> </ul>			<ul style="list-style-type: none"> <li>plan appropriate strategies, resources and sequence of tasks or procedures, adapting as required</li> <li>identify a variety of sources, including complex ones, from which relevant information might be collected, and give reasons for choice</li> </ul>		
<p><b>CARRYING OUT TASKS</b></p> <p>Selecting relevant information and/or equipment: observe, measure, find, select, record</p> <p>Processing information in a variety of ways</p> <p>Evaluating the usefulness and reliability of information</p>	<ul style="list-style-type: none"> <li>select and use known enquiry methods and/or equipment to access, select and record relevant information from a variety of straightforward sources</li> <li>select techniques to process/classify information in a variety of ways, e.g. the results of a questionnaire</li> <li>make simple judgements about the usefulness/reliability of information/evidence, e.g. by reference to bias</li> </ul>			<ul style="list-style-type: none"> <li>select and use suitable methods and/or equipment to access, select and record a range of relevant information from a variety of different types of sources</li> <li>select techniques to process/classify information in a variety of ways, justifying choice</li> <li>make judgements about what evidence is relevant and reliable, e.g. by reference to bias, exaggeration and selective use of information</li> </ul>			<ul style="list-style-type: none"> <li>make independent use of suitable methods and techniques to access, select and record information from a range of sources, including complex ones</li> <li>make independent use of techniques to process/classify information in a variety of ways, justifying choice</li> <li>recognise when information is likely to be irrelevant, biased or unacceptably inaccurate</li> </ul>		
<p><b>REVIEWING AND REPORTING ON TASKS</b></p> <p>Presenting findings in an appropriate and coherent way</p> <p>Presenting conclusions that are relevant to the given purpose or issue</p>	<ul style="list-style-type: none"> <li>present findings in an organised and appropriate manner</li> <li>present conclusions and justify these with reference to evidence</li> </ul>			<ul style="list-style-type: none"> <li>present findings in a report (orally or in writing), showing clear organisation and appropriate specialist vocabulary</li> <li>present conclusions that are well supported by reference to presented information</li> </ul>			<ul style="list-style-type: none"> <li>present an extended report (orally or in writing), showing a clear and coherent argument or analysis</li> <li>present detailed conclusions, or conclusions on more complex issues, that are well supported by reference to presented information.</li> </ul>		