Northolt High School
Scheme of Learning Overview

Committed to excellence

Year group: 9	**Term:** Autumn	**Unit duration:** 12	**Number of lessons:** 24	**Unit title:** **Project Planning Techniques**

Assessment outcome: To understand the tools and techniques that can be used to initiate and plan solutions.	**Fertile question?** What is the project life cycle and how can it be implemented?

Key skills/concepts/knowledge that students should cover	**Start RAG**	**End RAG**	**Literacy. Key vocabulary/subject terminology that students should cover**
1. **Project Life Cycle:** To know the 4 stages of the Project Life Cycle, and to understand their role in the ongoing development of a project. - Initiation, Planning, Execution and Evaluation - Setting out goals and expectations, deciding how to achieve them, monitoring performance and measuring success. 2. **Project Life Cycle stage interaction:** To understand how the stages of the Project Life Cycle interact, and how its repetition can solve problems. - Knowing when a project must return to a previous stage of the Project Life Cycle in order to stay on target. 3. **Inputs and Outputs:** To understand what information is needed for, and comes from completing, each stage of the Project Life Cycle. - Phase reviews should be taken out at each stage to ensure the project is running as expected. - Legislation, constraints and requirements of users. 4. **Initial Project Considerations:** To understand the importance of setting goals and outlining success criteria and requirements during the initiation phase. - Specific Measurable Achievable Realistic Time – SMART goals - Success criteria, constraints and limitations and mitigation of risk			**Project Life Cycle** **Initiation stage** **Planning stage** **Execution stage** **Evaluation stage** **Project Manager** **Workflow** **Contingency** **Milestone** **Iteration** **Phase Review** **SMART Goals** **Success Criteria** **Constraints** **Mitigation** **Gantt Chart** **Dependent** **Concurrent** **Critical Path**

5. **Tools and Software for project planning:** To be able to use a number of visualisation methods, charts and software to effectively plan a project. - Gantt charts, PERT charts, Critical paths, Flow charts, Mind maps, Task lists, - Spreadsheets, word processors, other project management software			
Stretch. Key skills/concepts/knowledge that students should cover. Analyse and evaluate the efficacy of project planning techniques to choose which is most appropriate for a given project. Justify decisions made with primary and secondary research, and relate to case studies.			**Suggested materials teachers could/should use** https://www.ocr.org.uk/qualifications/cambridge-nationals/information-technologies-level-1-2-j808/qualification-at-a-glance/ **Key home learning tasks students should complete** Finish classwork Case studies on successful and unsuccessful project planning