

Six Keys to Studying for Technology



Manage Your Time

Use “to-do” lists, your agenda, a calendar (digital or regular), or a notebook to record assignments. Plan study time around social, family, and extra-curricular commitments. Make effective use of your time!



Research and Analysis

Define the problem that needs to be solved. Research the problem using the Big6 Research Skills. Access databases using OneSearch. Use MLA, APA, and works cited resources on the FMS Library Blog. Evaluate reliable and unreliable sources of research. Justify the need for the product or solution using writing skills. Analyze the way that you chose to solve a problem.



Design

Use research to narrow design ideas from three thumbnail sketches to one idea. Choose the idea that best suits the project and justify the choice of that idea. Write procedures to create a proto type. Write the procedures in a step-by-step format. Create a planning document listing the materials, procedures, and tools required.



Realize the Solution

Construct the proto type exactly as the procedures were listed. List any changes to plan and explain why the changes were made. Present the proto type created to solve the problem. Use presentation skills of professional appearance, body language, and voice.



Evaluate

Explain whether the design of the proto type worked or did not work in well-constructed sentences. Describe how the proto type met the design specifications. Discuss the feasibility of producing the proto type. Identify any real-world scenarios that would be impacted by the proto type. Evaluate the proto type’s impact on society and the environment.



Use Your Resources

Use the design brief and specifications related to the problem. Identify resources on the FMS Library Blog related to research. Check the writing skills resources for directions about well-constructed paragraphs.