

DT & Food Year 10 Alive Themes

Term	Alive Theme	What we do	How it helps students to develop that Alive theme
1	Organised	Use presentations as a source for key knowledge and information stored on MS Teams Introduce learning mats for each main topic area	Systematically work through key knowledge and understanding in a digital format Provides a system for summarising key knowledge and information for a specific topic (used in conjunction with learning mats – <i>this carries on for the entire course</i>)
2	Organised	Card sorts for topic areas	Used as an interactive method to organise matching pairs of knowledge and skills (e.g. properties of materials or systems)
3	Organised	Teach how to create a survey Teach how to use charts and tables to compare different products	They understand how to gather information quickly in a targeted way. They learn how to organise it to present it succinctly. Helps them to extract key information relevant to their specification and be able to incorporate it into their design thinking.
4	Organised	Organising ideas using annotations Teach how to use charts and tables to feedback information	Annotations help them to organise their thinking and present key aspects. Helps them to organise their ideas so they can present relevant information clearly.
5	Organised	Teach contextual mind mapping	Helps students to analyse and evaluate broad ideas to assess their suitability for NEA.

Term	Alive Theme	What we do	How it helps students to develop that Alive theme
1	Organised	Teach: Time planning (Gantt chart) Cutting list Parts list Cutting a pattern Manufacturing plan Making a jig Tessellation	Provides a structure/method to plan tasks against time over a long period to support project and time management. Helps to organise their thinking and presentation of specific materials required Helps to organise their thinking and presentation of specific components required Preparation aid to effectively cut and minimise waste of textiles prior to manufacturing. Provides a framework for them to use to effectively plan each stage of their manufacturing. Helps to ensure accurate and efficient processing of a specific manufacturing task in a repeated fashion Helps students to efficiently organise different shapes on a standard sheet of material to minimise waste
2	Organised	Use camera to create manufacturing log	Helps them to keep an accurate record of the various steps they took to create their manufactured prototype
3	Organised	Star profiles	Provides a method to organise and present evaluative comments about their prototypes.
4	Review	Use learning mats to aid revision	Helps students to organise and categorise the revision of the key knowledge and understanding required for the exam content.