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| **Year 8 Curriculum Overview (2024-2025)****Subject: Design and Technology – Construction** |
| Constructing an animal-themed desk tidy out of MDF and plastic. |
| 9-WeekRotation | Knowledge & Understanding | Opportunity for Literacy Skills | EmployabilitySkills | AssessmentOpportunity |
| Composites | Components | Formal Retrieval |
| 9 1-hour lessons | - Health and Safety - Research and Ideation Skills- Technical Knowledge- Design Skills- Skills with Tools and Equipment- Analysis and Evaluation Skills- Usage of different material types – wood and plastic- Technical drawing skills – One Point Perspective | - Health and Safety on Machines and with Tools- Analysing a brief - Developing ideas further than their original ideas- Knowledge of Tools and Equipment – what tools/machines to use for different situations and how to use them correctly - Designing for a target audience - Ability for them to choose their design, whereas, in Y7, they had designs to choose from | - Do now activities- Independent Homework tasks- MCQ of key knowledge and concepts at mid-point and the end of the rotation- Questioning | - Keyword for most lessons, they must then write a sentence using this keyword to demonstrate their understanding- Keywords and disciplinary literacy used throughout their booklet- Literacy skills required- Opportunities for written responses- Providing sentence starters and gap fills- Evaluating and analysis  | - Health and safety - Teamwork- Independency- Planning- Creativity- Following instructions- Working to a deadline- Contextual knowledge e.g. materials, tools, equipment, sustainability | - Do now activities - Formative MCQ at midpoint- End of rotation summative assessment and evaluation. - Construction of a final project.  |
| CST across the curriculum – Saint Maximillian Kolbe – explicitly implementing knowledge about our Saint, including a display and prayer/celebration/reflection on the feast day.Promoting the Common Good and Service to Others - awards based on our saint who reflects his values at the end of each rotation. Ethical and Sustainable Design and Creation and the Environment through using recycled materials and promoting sustainability.Dignity of Work and Human Rights – promoting the importance of these issues when sourcing materials. |