Design and Technology - Year 7

Built Environment Key Vocabulary

| General Design & Architecture |
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| **Built Environment** – Human-made surroundings that provide the setting for human activity. |
| **Structure** – A building or other object constructed from several parts. |
| **Site** – The area where a building is located or planned; in this project, a hexagonal shape. |
| **Plan View** – A drawing that shows the layout from above (like a map). |
| **Elevation** – A drawing that shows what the front, back, or side of a building looks like. |
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| **Sustainability** |
| **Sustainability** – Designing in a way that meets current needs without harming future generations. |
| **Eco-friendly** – Not harmful to the environment. |
| **Renewable Energy** – Energy from sources that don't run out, like solar or wind. |
| **Solar Panel** – A device that captures sunlight and turns it into electricity. |
| **Wind Turbine** – A machine that uses wind to produce energy. |
| **Green Roof** – A roof covered in plants to improve insulation and absorb rainwater. |
| **Insulation** – Material used to keep heat in or out of a building. |
| **Natural Ventilation** – Letting fresh air flow through a building without using fans or air conditioning. |
| **Rainwater Harvesting** – Collecting and storing rainwater for reuse. |
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| **Inclusivity & Accessibility** |
| **Inclusive Design** – Designing for everyone, regardless of age, ability, or background. |
| **Accessibility** – How easy it is for people, including those with disabilities, to use a space. |
| **Ramp** – A slope used instead of stairs to help wheelchair users or those with limited mobility. |
| **Handrail** – A bar that people hold on to for support. |
| **Tactile Surface** – A textured ground surface that helps people with vision impairments. |
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| **Materials & Construction** |
| **Cardboard** – A thick, strong paper used for model building. |
| **Net** – A 2D shape that can be folded into a 3D model. |
| **Tab** – A small flap used to glue pieces together. |
| **Fold Line** – A line along which a material is folded. |
| **Structure Support** – Elements like walls or beams that help keep a model upright. |
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| **Design & Evaluation Process** |
| **Design Brief** – A short explanation of the task and what needs to be achieved. |
| **User Needs** – What the people using the building will require. |
| **Model Making** – Creating a small-scale version of a design. |
| **Prototype** – A first version of a product used for testing and feedback. |
| **Evaluation** – Judging how successful a design or model is. |
| **Feedback** – Comments and suggestions used to improve work. |
| **Iteration** – Repeating a process to make improvements. |