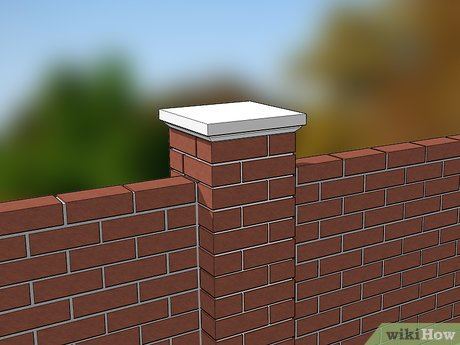
Design and Technology – Year 1

Spring 1 – **Design, make and evaluate a strong chair for the class bear**

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| In Design & Technology I have already learnt:  I made my own templates, measuring, marking and cutting out.  I joined paper and card, using temporary fixing materials such as paper fasteners and permanent fixing materials such as tape and glue.    I learnt to:    \*Generate my own design ideas  \*State the purpose of my design  \*Select from a range of tools and equipment  \*Use the correct technical vocabulary  \*Make simple judgements about my product and suggest how it could be improved.  \*Follow procedures for safety.  Design, make, evaluate, user, purpose, ideas, design criteria, product, function, Card, masking tape, paper fastener, join |
| I can talk about freestanding structures around school.  **I can talk about their purpose, the material they are made from and how their parts have been joined together**.  I can use construction kits to build walls and towers.  **I can explore ways to make walls stronger by changing the brick pattern.**  **I can explore ways to make towers stronger by making the base wider, heavier or by adding buttresses**.  I can fold paper and card to make freestanding structures.  I can join sheet materials and boxes together using different tapes and glue. |
| New Design & Technology words:  Cut, fold, **fix, Framework**, wall, base, joint, metal, wood, plastic, brick, triangle, square, rectangle, cube, cuboid, **Structure,** tower, framework, weak, strong, base, thinner, thicker, straight, curved |

Free standing structures