

## Freestanding Structures: Year I Knowledge Mat

Subject Specific Vocabulary	
Freestanding	A structure that stands on its
structure	own foundation or base without
structure	attachment or anything else.
Frame	A structure made from thin
structure	components e.g. tent frame.
Shell	A hollow structure with a thin
structure	outer covering.
	In relation to a freestanding
Stability	structure, the extent to which it
	is likely to fall over if force is
	applied.
	A structure added to a wall,
Buttress	tower or framework to make it
	more stable and/or reinforce it.
	Arranging bricks in a wall to
Brick	improve the performance of the
bonding	structure or improve its
	appearance.
Mock up	3D representation of a product.
Digid	Unable to bend or be forced out
Rigid	of shape.

Health and Safety	
Remove any jewelry, tie hair back tuck in tie, roll up sleeves and check shoelaces are tied.	
Listen carefully to instructions.	
Use equipment carefully.	
Don't run with scissors.	



## Design

Generate ideas based on simple design criteria and own experiences, explaining what they could make.

Develop, model and communicate ideas through talking, mock-ups and drawings.

## Make

Plan by suggesting what to do next.

Select and use tools, skills and techniques, explaining choices.

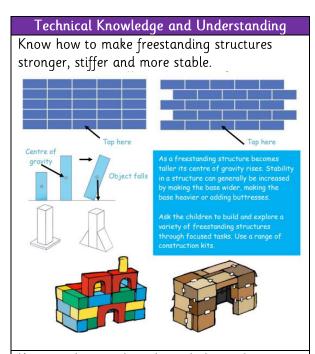
Select new and reclaimed materials to build structures.

Use simple finishing techniques suitable for the structure being created.

## Evaluate

Explore a range of existing freestanding structures in the school and local environment.

Evaluate product by discussing how well it works in relation to the purpose, the user and whether it meets the original design criteria.



Know and use technical vocabulary relevant to the project.