



HARROWBARROW SCHOOL

Design & Technology End of Year Targets

Progression from Year 1 to Year 6

By the end of Year 1 children should be able to:

Use own ideas to make something.

Describe how something works.

Cut food safely.

Make a product which moves.

Make their model stronger.

Explain to someone else how they want to make their product.
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Choose appropriate resources and tools.

Make a simple plan before making.

By the end of Year 2 children should be able to:

Think of an idea and plan what to do next.
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Choose tools and materials and explain why they have chosen them.

Join materials and components in different ways.
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Explain what went well with their work.

Explain why they have chosen specific textiles.

Measure materials to use in a model or structure.

Describe the ingredients they are using.
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By the end of Year 3 children should be able to:

Prove that their design meets some set criteria.
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Follow a step-by-step plan, choosing the right equipment and materials.

Design a product and make sure that it looks attractive.
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Choose a textile for both its suitability and its appearance.

Select the most appropriate tools and techniques for a given task.
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Make a product which uses both electrical and mechanical components.
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Work accurately to measure, make cuts and make holes.

Describe how food ingredients come together.
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By the end of Year 4 children should be able to:

Use ideas from other people when they are designing.
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Produce a plan and explain it.

Evaluate and suggest improvements for their designs.
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Evaluate products for both their purpose and appearance.
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Explain how they have improved their original design.

Present a product in an interesting way.
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Measure accurately.

Persevere and adapt their work when their original ideas do not work.

Know how to be both hygienic and safe when using food.
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By the end of Year 5 children should be able to:

Come up with a range of ideas after collecting information from different sources.
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Produce a detailed, step-by-step plan.
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Suggest alternative plans; outlining the positive features and draw backs.

Explain how a product will appeal to a specific audience.

Evaluate appearance and function against original criteria.

Use a range of tools and equipment competently.

Make a prototype before making a final version.

Show that they can be both hygienic and safe in the kitchen.

By the end of Year 6 children should be able to:

Use market research to inform their plans and ideas.

Follow and refine their plans.

Justify their plans in a convincing way.

Show that they consider culture and society in their plans and designs.

Show that they can test and evaluate their products.

Explain how products should be stored and give reasons.

Work within a budget.

Evaluate own product against clear criteria.