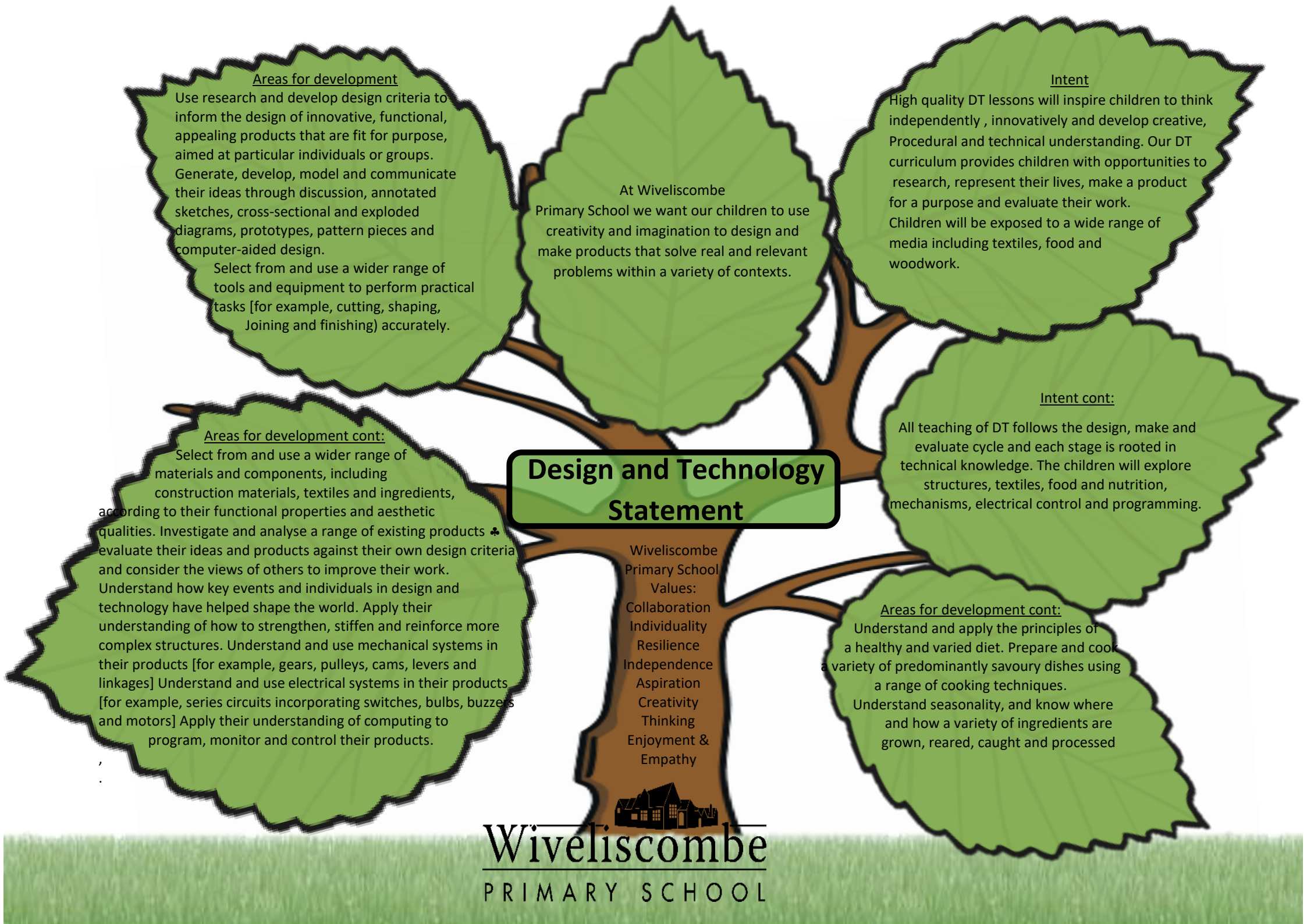




Design and Technology Statement

Areas for development

Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, Joining and finishing) accurately.

Areas for development cont:

Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. Investigate and analyse a range of existing products ♣ evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Understand how key events and individuals in design and technology have helped shape the world. Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] Apply their understanding of computing to program, monitor and control their products.

At Wiveliscombe

Primary School we want our children to use creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts.

Intent

High quality DT lessons will inspire children to think independently , innovatively and develop creative, Procedural and technical understanding. Our DT curriculum provides children with opportunities to research, represent their lives, make a product for a purpose and evaluate their work. Children will be exposed to a wide range of media including textiles, food and woodwork.

Intent cont:

All teaching of DT follows the design, make and evaluate cycle and each stage is rooted in technical knowledge. The children will explore structures, textiles, food and nutrition, mechanisms, electrical control and programming.

Areas for development cont:

Understand and apply the principles of a healthy and varied diet. Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed

Wiveliscombe
Primary School

Values:

Collaboration
Individuality
Resilience
Independence
Aspiration
Creativity
Thinking
Enjoyment &
Empathy



Wiveliscombe
PRIMARY SCHOOL