

# 'A suggested framework for curriculum planning KS1 and KS2': a planning tool for Birmingham schools

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The City of Birmingham has currently two separate yet linked services to support its Key Stage 1 and Key Stage 2 teachers of design and technology – the Schools Advisory Service (SAS), and the Curriculum Support Service (CSS).

It became clear to the three members of the design and technology support team that unless it encouraged all its schools to develop a whole key stage curriculum plan/scheme of work for the delivery of design and technology which reflected all aspects of the National Curriculum Order, and was progressive, this foundation subject would remain difficult to move forward for some schools.

*"I am worried and frustrated by this subject!"*

*"I don't know what I'm doing in D&T"*

*"I need training in D&T to help me with policy planning."*

*"I've never used this equipment before."*

*"Just tell me what to do and I'll do my best!"*

*"What mechanisms should they experience?"*

*"How many DMAs should they do in KS1?"*

There are many hundreds of very capable and willing colleagues in Birmingham schools, some of whom are frustrated by their own inexperience in planning for the delivery of design and technology as it is defined in the National Curriculum Order. To support these colleagues the SAS and CSS have worked together to produce a long term planning chart "A Suggested Framework for Curriculum Planning KS1 and KS2", two copies of which have been sent to all Birmingham's nursery, infant and junior schools. One is to be displayed for whole staff reference, the other is for the design and technology coordinator to fold or cut for ease of use with colleagues.

Three evening meetings held in different venues across the city allowed for explanation, questions and discussion about the content and intended purpose of the chart. They provided an opportunity for

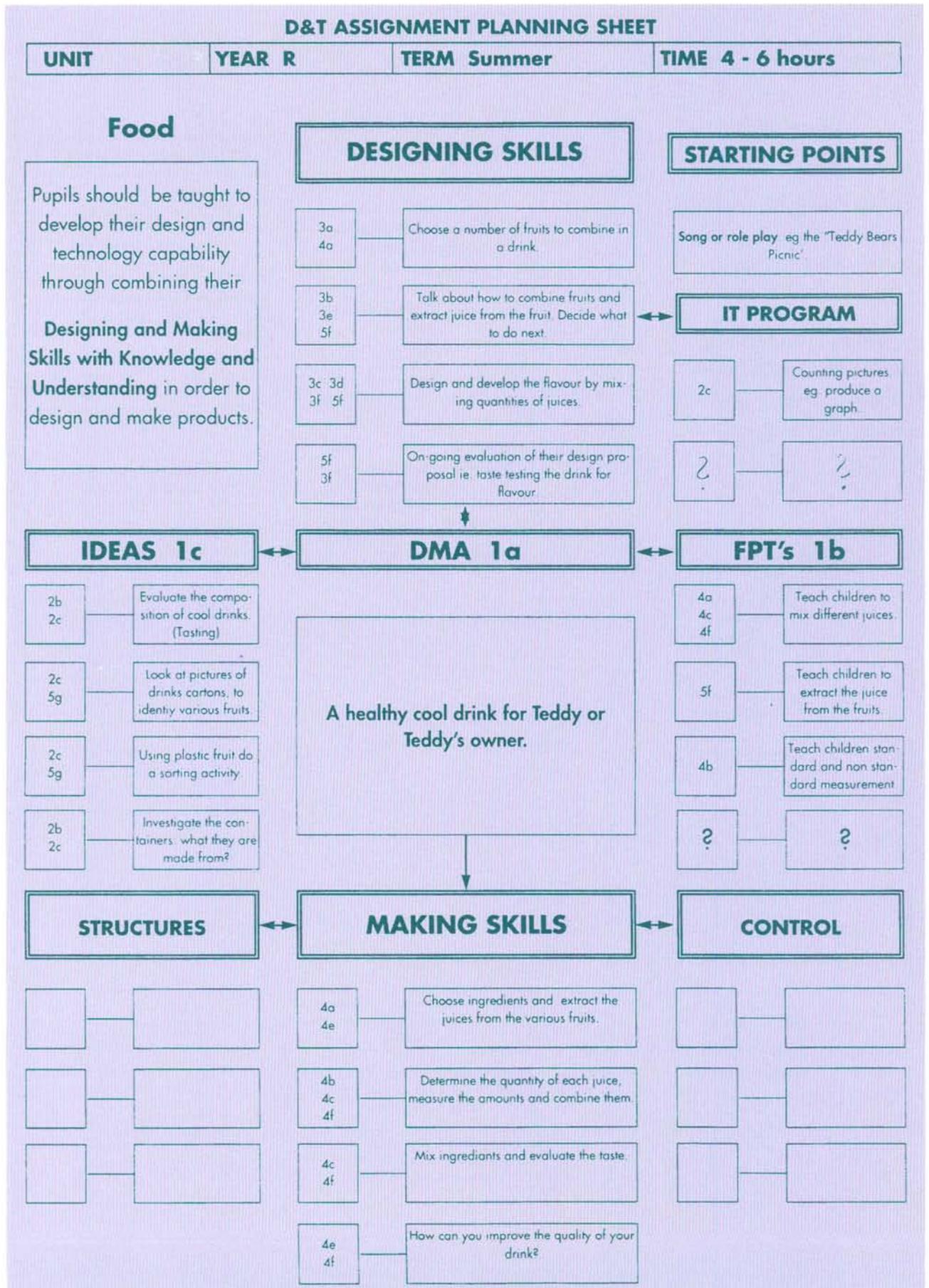
teachers to understand that it was never the team's intention to provide a prescription for Key Stage 1 and Key Stage 2 design and technology, but to provide guidance via the use of examples. This guidance is to help colleagues to see how they could plan for the production of successful designing and making assignments (DMAs), which incorporate aspects of the National Curriculum Order such as materials and components, mechanical/electrical control etc. The examples provided here are taken directly from the chart where sample DMAs are accompanied by appropriate focused practical tasks (FPTs) and investigative, disassembly and evaluative activities (IDEAs). Relevant IT programs are suggested to help pupils resolve the DMAs, together with advice on Health and Safety issues, technological vocabulary, and quality in design and technology work.

The chart is only part of the supporting materials provided by the City. Birmingham's Primary Planning Project provided a further opportunity to produce additional support materials which include guidance on, for example, the formation of a policy, action planning for the development of design and technology and medium and short term planning. The medium and short term plans illustrated in the Birmingham Primary Planning Project booklet are linked directly to the DMAs illustrated in the chart.

Three examples of design and technology assignment planning sheets are provided for medium term planning, one from each material area. They are not comprehensive but do provide a baseline from which colleagues can plan progressive DMAs linked to the content of the programmes of study.

The Design and Technology Support team acknowledges the help of two design and technology coordinators, Beverly Peters, Shaw Hill JI School, and Leslie Bond, West Heath JI School, in the production of the chart.

The Birmingham Primary D&T Project Planning Booklet, which includes the chart, is available for purchase from CSS via John McAdam (0121 428 1167 Ext. 279.)



**STRUCTURES**

**MAKING SKILLS**

**CONTROL**

CURRICULUM DEVELOPMENT

**D&T ASSIGNMENT PLANNING SHEET**

<b>UNIT</b>	<b>YEAR 3</b>	<b>TERM Summer</b>	<b>TIME 15 hours</b>
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**Textiles**

Pupils should be taught to develop their design and technology capability through combining their

**Designing and Making Skills with Knowledge and Understanding** in order to design and make products.

**DESIGNING SKILLS**

- 3b  
3c — Which ways will children generate and clarify their ideas? eg freehand drawing.
- 3b  
3c — Make paper mock-ups of the intended outcomes.
- 3d  
5a  
5h — How will you make sure your hat looks good, fits you and keeps your head cool?
- 3f — Produce a step by step sequence of actions.

**STARTING POINTS**

- Science topic - 'hot and cold'
- IT PROGRAM**
- 2c — Paint brush/paint spa: eg design a logo for the hat.
- ? — ?

**IDEAS 1c**

- 3a — Look at hats and materials. eg are they appropriate?
- 3c — Look at hats to identify the shapes of component parts.
- 3f  
3g — Look at how component parts are assembled.
- 5a — Investigate the materials required for your hat.

**DMA 1a**

**Design and make a hat with a brim to act as a shade.**

**FPT's 1b**

- 4b — Cut out the component parts in paper
- 4c — Explore ways of joining and assembling them
- 4c — Teach children how to join textile materials: eg stitching.
- ? — ?

**STRUCTURES**

- 5e  
5b — Reinforcing textiles eg. the brim/peak of the hat.
- ? — ?
- ? — ?

**MAKING SKILLS**

- 4a  
4b — Choose equipment, tools and materials and measure, mark out and cut their textile materials.
- 4c — Use temporary and permanent fixings when making the hats.
- 4f — Test and evaluate the hat to see if it is fit for purpose. eg. adjustable.
- 4g — Following evaluation improve the hat as necessary.

**CONTROL**

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