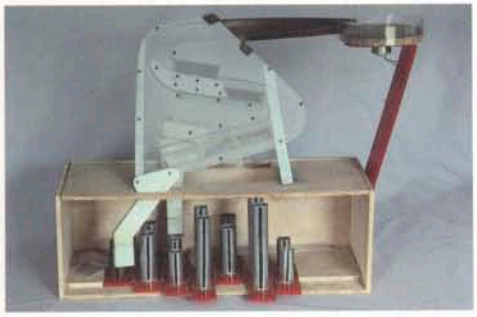
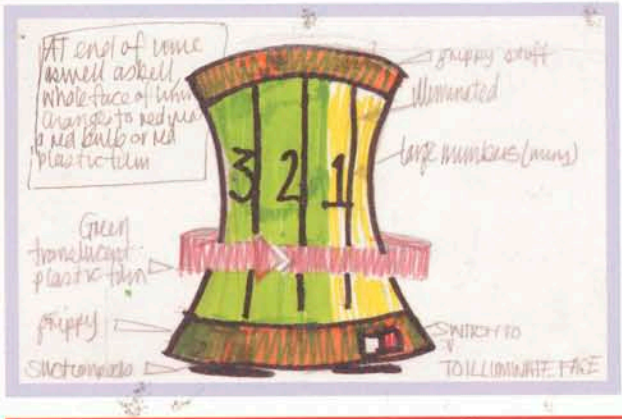
EMU

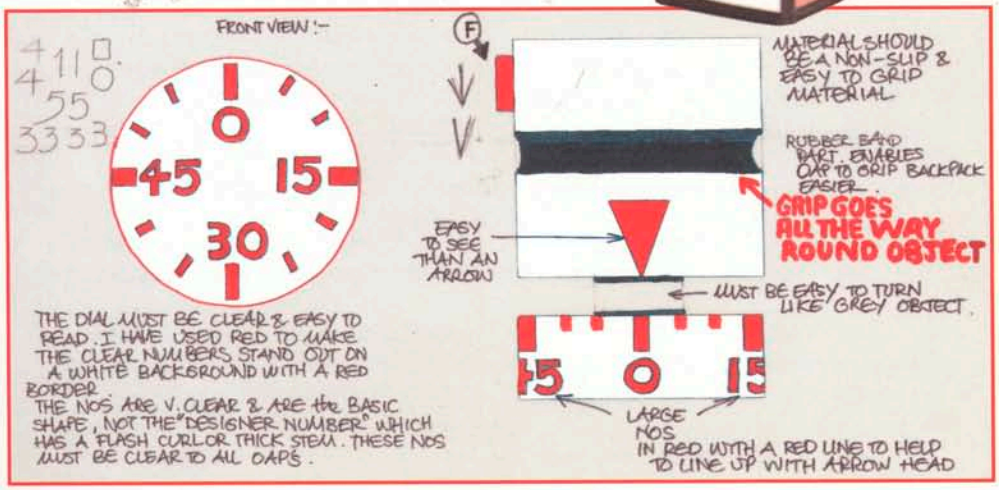
SEAC

School Examinations & Assessment Council

THE ASSESSMENT OF PERFORMANCE
in DESIGN and TECHNOLOGY







The final report of the A P U design and technology project 1985–1991

APU

THE ASSESSMENT OF PERFORMANCE *in DESIGN and TECHNOLOGY*

Richard Kimbell

Kay Stables

Tony Wheeler

Andrew Wosniak

Vic Kelly

Contents

The APU Design and Technology Team (1985–1990)

From Sept 1985

Vic Kelly	Director
Richard Kimbell	Director
John Saxton	(to Sept 1988)
Diana Lee-Woolf	Secretary (to Sept 1988)

From Jan 1986

Kay Stables	(to Aug 1990)
Jim Patterson	(to July 1989)

From April 1987

Mike Fletcher	(to Oct1989 - thereafter consultant to Aug 1990)

From Sept 1988

Tony Wheeler	– in place of John Saxton
Jacqueline Newman	– in place of Diana Lee-Woolf
Ian Williams	– seconded to the team for one year by Beds. LEA

From Jan 1990:

Andrew Wozniak	– in place of Jim Patterson
Gerry Turtle	– in place of Jacqueline Newman

Final report submitted
August 1990
Dissemination phase
Aug 1990 - Mar 1991.

SPECIFIC RESPONSIBILITIES

In addition to all the general responsibilities of team members, including the development of the assessment framework, test development, trialling, writing, marker training, moderation, data analysis and conference presentations, the following have been identifiable and particular responsibilities for individual team members

Kay Stables	– Videos, EPW profiling,
Jim Patterson	– Modelling tests,
Tony Wheeler	– Macintosh database/analysis systems,
Mike Fletcher	– Statistics

The APU Design and Technology Steering Group (1985–1990)

Members

From Sept 1985	
Mr G Warren	HMI, Welsh Office Education Department (Chairman from Sept 1985 until Dec 1988)
Mr J Hardwick	HMI (Chairman from Jan 1989)
Ms K Brochoeka	Digby Stuart College (until Mar 1987)
Prof J Eggleston	Warwick University
Prof P Green	Middlesex Polytechnic (until May 1990)
Mr P Hancock	Advisory Teacher, Suffolk LEA (until Nov 1987)
Dr A F Jeans	Gloucestershire College of Arts and Technology
Mr D Maroni	British Olivetti (until Mar 1986)
Mr G Wilson	Chief Inspector, Kirklees LEA
Dr H Wilson	DENI (until Sept 1987)
From Jan 1986	
Mrs G Townsend	Advisory Teacher, Essex LEA
Mr A V Kelly	Monitoring Team
From July 1986	
Miss H Maunder	British Gas
From Sept 1987	
Mr D Mack	DENI
From June 1988	
Mr L Brough	AACDT

Ex officio members:

From Sept 1985	
Mrs B Bloomfield	Monitoring Services Unit (NFER)
From Dec 1986	
Mr D J Marjoram	HMI
Mr G Hicks	HMI

Members of the Unit (APU/EMU)

From Sept 1985	
Mr B L Baish	Administrative Head of the Unit
Mr A G Clegg,	HMI Professional Head of the Unit
Mr P Sylvester,	HMI Chairman of the Language Steering Group
Mr M E Malt	
Mr D Sleep	
Mrs M L Pooley	Secretary to Steering Group
From July 1986	
Mr M D Phipps	
From Jan 1987	
Miss H Bennett	Secretary to the Steering Group
Miss T. Pilborough	
From April 1987	
Miss J D Worsfold	
From Sept 1987	
Mr M Galla	Secretary to the Steering Group
From Jan 1988	
Mr M Richardson	
Mr C Marshall,	HMI
From June 1988	
Miss N Bartman	
Miss M Glynn	
From May 1989	
Mrs M Robertson	Secretary to the Steering Group
From May 1989	
Mr C G Robinson	SEAC
From Jan 1990	
Mr B Creasy	EMU
From Sept 1990	
Mr N Williams	

THE APU DESIGN AND TECHNOLOGY PROJECT IN THE CONTEXT OF THE NATIONAL CURRICULUM

Our work for the Assessment of Performance Unit began in September 1985 and is due to be completed early in 1991. In consequence, it has spanned the period of operation of the National Curriculum Working Group (NCWG) in Design and Technology, the period of consultation following their deliberations and the production of the statutory Order for Technology. The inception of this project also pre-dated the implementation of GCSE and its consolidation of subjects now seen to be central to design and technology. We wrote our first report in 1986 (published by HMSO in 1987) outlining the principles upon which we intended to develop assessment instruments; we conducted a pilot survey during 1987-8, the major survey during 1988-9 and have completed our data analysis and the report on the whole project by August 1990.

There has inevitably been a good deal of intellectual exchange between us and the developments that have been taking place in relation to the National Curriculum.We recognise that the National Curriculum Order for Technology will be in the forefront of teacher's minds in the coming months and years, and it is important that a research project of this sort should lend all the support it can to the complex task that teachers face in implementing the Order.

To help make the substance of the report easily accessible, we have included at the end of each section a summary of its principal messages. These summaries may serve to help teachers to find those sections of the report with which they are particularly concerned. Moreover, in addition to drawing out - throughout the report - matters of importance for teachers, we have included at the end of the report a whole section that is devoted exclusively to examining the implications of the report for schools. It has been written with three principal intentions:

- to summarise the major findings in the survey data;
- to present them in a way that highlights immediate classroom issues;
- to enable teachers to use them as access points into the main text of the report.

Design and Technology has undergone the most meteoric developments during the life of this project, and teachers are rightly looking for support in putting these developments into effect. We hope that teachers will find some of that support here. Whether they choose to read the whole report or dip into sections that are of particular concern to them, we hope that they will find the report - encapsulating more than five years of research and development - interesting, constructive and informative.