

## **TECHNOLOGY & DESIGN**

### **TECHNOLOGY STARTERS (TV)**

BBC2 15 mins age: 11-14

*A look at technology in use in everyday situations using examples from locations across Europe.*

TE 0846	The open road	TE 1289	Going underground
TE 0935	Getting on track	TE 1372	One to one communications
TE 1024	Water power	TE 1469	Spreading the news
TE 1113	Alternative energy	TE 1558	Putting milk on the table
TE 1201	Bridging the gap	TE 1646	The war against water

### **THE ART OF ..... (TV)**

BBC2 20 mins age: 11-14

*These programmes focus on art, craft and design in a variety of contexts, concentrating on contemporary practice, appropriate historical backgrounds and different cultures.*

TG 0861	..... clothes	TG 1246	..... recycling
TG 0937	..... food	TG 1324	..... cities
TG 1014	..... magic	TG 1401	..... people and places
TG 1091	..... things	TG 1480	..... drawing
TG 1167	..... living things	TG 1558	..... identity

### **LEONARDO'S DREAM MACHINES (TV)**

CH4 55mins age: 11-16 2008

*Engineers and designers build da Vinci's visionary models*

TR 0315	Da Vinci's visionary designs	TR 0318	Testing their constructions
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### **TECHNO (TV)**

BBC2 20 mins age: 11-16

*Reflects the real world of design and technology, stressing the importance of pupils, working on a variety of subjects in different contexts.*

TB 0851	Imaging and generating	TB 1237	Social and environmental 1
TB 0928	Mechanism	TB 1312	Systems 1
TB 1004	Business and economics	TB 1388	Energy
TB 1083	Structures	TB 1463	Systems 2
TB 1159	Aesthetics and design	TB 1539	Social and environmental 2

### **MAKING IT**

TE 0917	The kart	TE 1183	The armour
TE 1006	The bass	TE 1271	The bridge
TE 1095	The balloon		

### **DESIGNERS**

TG 0842	Batch production	TG 1071	Made by design
TG 0918	Mass production	TG 1148	Digital design
TG 0995	Limited edition		

**TECHNO (TV) (continued)****FOOD**

TK 0275	Travel food	TK 0278	Healthy food
TK 0276	Energy food	TK 0279	Marketing food
TK 0277	Fast food		

**DESIGNING YOUR FUTURE**

TK 0730	Will it sell?	TK 0733	Communication technology
TK 0731	Who needs what, where, when?	TK 0734	Food technology
TK 0732	Bright ideas for a better world	TK 0735	The future of materials

**TECHNO: ICT IN THE REAL WORLD (TV)**

BBC2 20 mins age: 11-16

*A series intending to bring the world of ICT to the student. With examples from industry, business, the arts, publishing and technology sectors.*

TI 1596	Information handling	TI 1598	Control systems
TI 1597	Communication	TI 1599	Modelling

**THE TECHNOLOGY PROGRAMME: DESIGN AND TECHNOLOGY (TV)**

CH4 15 mins age: 11-16

*The programmes aim to encourage a broad view of technology and reflect its cross-curricular nature by drawing on a range of subjects including CDT, art, business studies, home economics and IT.*

**ENERGY**

TA 0787	Questions of energy	TA 0999	Turning down the heat
TA 0858	How far can we go?	TA 1070	An alternative view
TA 0928	Future generations		

**MATERIALS**

TA 1132	Building for leisure	TA 1353	The complete package
TA 1210	Paper power	TA 1425	Going to waste?
TA 1281	Timber technology		

**FOOD TECHNOLOGY**

TA 1136	Tomorrow's fishfinger	TA 1366	Eating to compete
TA 1223	More than a meal	TA 1438	Bug busters

**THE MEDIA**

TA 1497	Advertising: the image – makers	TA 1873	Television: the programme makers
TA 1622	Theatre: the stage makers		
TA 1696	Publishing: the page makers	TA 1937	Fashion sense
TA 1767	Special effects: the FX makers	TA 1998	Mechanical toys
		TA 2024	Products, past and present

**DESIGN AND TECHNOLOGY: CONTEXTS**

TB 0857	Shopping for pleasure	TB 1242	Green spaces
TB 0933	Faster food	TB 1317	Places for worship
TB 1010	Little children, big roots	TB 1393	Taking care
TB 1087	Home from home	TB 1468	Going places
TB 1164	Sport for all	TB 1544	Exhibit A

## **THE TECHNOLOGY PROGRAMME: DESIGN AND TECHNOLOGY (TV) (continued)**

### **TEXTILES**

TB 1624	What's in fashion?	TB 1898	A stitch in time
TB 1706	Clothes that work	TB 1978	Designer sales
TB 1785	Stretch into fashion		

### **THE PROCESS AND THE PRODUCT**

TE 0076	The inventor's story	TE 0334	The marketer's story
TE 0163	The designer's story	TE 0419	The consumer's story
TE 0250	The manufacturer's story		

### **CHALLENGES AND OPPORTUNITIES**

TE 0507	Recycling waste	TE 0670	Etna
TE 0589	Energy		

### **PACKAGING**

TE 0751	Unwrapping the pack	TE 0832	Wrapping it up
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### **REAL LIFE DESIGN**

TG 0073	Making things move	TG 0299	Mama pasta (inset)
TG 0147	Looking for ideas	TG 0376	Inside out (inset)
TG 0223	Take control		

### **TECHNOLOGY IN JAPAN**

TG 1279	Computers, chips and games	TG 1513	Video cameras
TG 1357	Cars and transport	TG 1590	Robots
TG 1435	Compact discs		

### **DARING TO BE NEW: CONTEMPORARY ARCHITECTURE EAST AND WEST**

TH 0935	The house	TH 1148	Art spaces
TH 1015	The office	TH 1220	Travel
TH 1083	Sport		

### **DESIGN AND MAKE IT! 1**

TI 0795	Food technology	TI 1010	Electronic products
TI 0867	Resistant materials	TI 1083	Graphic products
TI 0939	Textiles technology		

### **THE RISE OF THE ROBOTS (48 mins each)**

TJ 0290	Anatomy of an Android	TJ 0317	Bionic bodies
TJ 0291	Hyper senses	TJ 0318	I Robot
TJ 0316	Remove robots		

### **DESIGN AND MAKE IT 2**

TJ 0540	Systems and control and electronic products	TJ 0765	Food technology: transforming food
TJ 0633	Graphic products	TJ 0845	Resistant materials
TJ 0700	Textiles and technology		

### **JOINED UP TECHNOLOGY FOR SCHOOLS**

TK 0037	Uniform values learning space	TK 0158	Future classrooms virtual school
TK 0098	Lunch breakthroughs		

**THE TECHNOLOGY PROGRAMME: DESIGN AND TECHNOLOGY (TV) (continued)****DESIGN CHALLENGE**

TL 0088	Emergency beacon	TL 0240	Science work station
TL 0139	Fashion accessories	TL 0274	Café bar
TL 0190	Instant sound		

**DESIGN FOR LIFE**

TL 0090	Super modern wardrobe	TL 0242	Design aid
TL 0140	The colour of emotion	TL 0275	Zen and the art of motorcycle design
TL 0192	Fluid floods		

**SCIENCE AND TECHNOLOGY (TV)**

CH4 15 mins age: 14-16

*An award winning series, designed for GCSE pupils, and filmed entirely on location in modern British industries.*

TA 0062	Noise	TB 1620	Fibres
TA 0135	Sensing	TB 1702	Fabrics and colour
TA 0210	Energy	TB 1781	Genetics
TA 0284	Alternative energy	TB 1895	Gene therapy
TA 0360	Industry and environment	TB 1974	Computability
TA 0433	Biotechnology		

**GCS EASE: HOT WIRED (TV)**

CH4 25 mins age: 14-16

*Programmes on the applications of computers to everyday work situations and some unusual activities.*

TL 0962	London eye – Email	TL 1022	Clipper ventures – spreadsheets
TL 0998	Eden project – laptops	TL 1028	Hollyoaks – word documents
TL 1011	Personal trainers – databases		

**DESIGN SOLUTIONS (TV)**

CH4 15 mins age: 14-19

*Programmes on the design of products taking into account social need, CAD, specification and production based on one of Scotland's leading design companies.*

TL 0620	Graphics	TL 0644	Product design
TL 0635	Electronics	TL 0656	Systems and controls

**TECHNOLOGY AND DESIGN (TV)**

BBC2 20 mins age: 11-16

*A basic introduction to the world of technology and design.*

TM 8654	Packaging: problem solving in the real world	TM 8717	Sorting
		TM 8784	Moving

### **GCSE BITESIZE REVISION: DESIGN AND TECHNOLOGY (TV)**

BBC2 120 mins age: 14-16

*A compilation of programmes on the application of design and technology from the concept stage through to production of final products.*

TO 0400 Design, making materials, processes

TO 0401 Food, graphics, resistant materials, textiles, control systems

### **ENGINEERING AT THE CUTTING EDGE**

CH4 25mins Age: 16+

TO 0132 21st Century Structures

TO 0146 Wheels

TO 0157 Sports Performance

TO 0167 Roller Coasters

TO 0180 Body Parts

### **BANG GOES THE THEORY: SERIES ONE (TV)**

BBC1 30mins age: 14-18 2009

*A team of presenters devise ways of explaining new developments in technology.*

TV 10797A gait recognition; vortex ring

TV 10797B 'Goldilocks' planets

TV 10797C 30,000 plastic ducks

TV 10797D Magnetic cows

TV 10797E US Navy's latest weapon

TV 10797F Helicopters; brain-testing

TV 10797G British summers; speech

TV 10797H Microwaves; nurture v. nature

TV 10797J Spiders' silk; RAF flight school

TV 10797K Toffee powered rocket; smell

### **BANG GOES THE THEORY: SERIES TWO (TV)**

BBC1 30mins age: 14-18 2010

*More ways of explaining technology.*

TV 10798A Breaking the land speed record

TV 10798B G-force; atoms; snorkels

TV 10796C Lie detectors; 3D; Charles

Darwin

TV 10798D steel, dolphins; fire

TV 10798E steam power; skiing; chocolate

TV 10798F climate change; avalanches;  
optical illusion

TV 10798G free-diving; steel; horse power

TV 10798H smell; origin of life; junk fuel

### **BRIGHT SPARKS (TV)**

BBC2 30 mins age: general output

*Professor Noel Sharkey challenges teams from Dalriada Grammar and Portadown College to create robot dishwashers.*

TV 10691 – TV 10697 7 programmes

### **CRAFT TRADITIONS (TV)**

BBC1 30mins age: general output

*Series examines craft traditions*

TV 10394 Oak

TV 10395 Stone: Mourne granite

TV 10396 Iron

TV 10424 Clay

### **DESIGN RULES (TV)**

BBC2 30 mins age: general output

*A consideration of the elements of design based on space and colour in a domestic environment.*

TV 9717A Space and planning  
TV 9717B Colour

TV 9722 Balance and order

### **THE INTERVIEW: PAUL COSTELLOE (TV)**

BBC1 30 mins age: general output

*Rosin McAuley talks to the fashion designer Paul Costelloe, whose work has put natural fabrics like linen and Donegal tweed on the international map.*

TV 3444D 1 programme

### **JEREMY CLARKSON'S INVENTIONS THAT CHANGED THE WORLD (TV)**

BBC2 60 mins age: general output

*Jeremy Clarkson takes a look at the development of three important items of domestic technology.*

TV 9918 The telephone  
TV 9951 The computer

TV 9953 Television

### **RICHARD HAMMOND'S ENGINEERING CONNECTIONS (TV)**

BBC2 50mins age: general output 2009

*An exploration of the stories behind some of today's technological marvels.*

TV 10772 Super Jumbo – A380  
TV 10773 Super skyscraper – Taipei 101

TV 10774 Deep space observatory  
TV 10775 Super rig