

SCIENCE

IRISH SCIENTISTS AND INVENTORS (TV)

CH4 20 mins age: 8-12

Science is considered in a historical context drawing upon pupil's own cultural heritage where appropriate. The programmes will also help children develop their investigative skills in key aspects of science and technology.

TE 1332	Sir Hans Sloane	TE 1604	Robert Lloyd Praeger
TE 1418	William Trail	TE 1639	John Clarke
TE 1518	John Boyd Dunlop		

THE HUMAN BODY: SCHOOL EDITION (TV)

BBC2 120 mins age: 9-12

A school's version of the general output series. This programme includes a section on the photographic techniques used in its production and is followed by sections on body movement, teeth, digestion, heart and circulation, the ear, cells and child life cycle. Each section is approximately 10 mins in length.

TG 1705 1 programme

SEARCH OUT SCIENCE (TV)

BBC2 20 mins age: 9-12

A stimulating range of science and technology activities, providing pupils with opportunities to carry out their own investigations and make their own discoveries.

PLANET EARTH

TA 0045	Weather wise	TA 0500	What a waste
TA 0193	The monster rock show	TA 0654	Search out space
TA 0342	Living matters		

MOVING ABOUT

TA 0818	Step this way	TA 1316	Inside movies
TA 0950	Go!	TA 1384	Science in a spin
TA 1100	Can you believe your eyes?		

COMMUNICATION

TB 0049	Light talk	TB 0535	Picking up the vibes
TB 0127	Light effects	TB 0696	Getting the message
TB 0210	Sounding out		

STRUCTURES

TB 0855	Show the force	TB 1316	The right stuff
TB 1008	Balancing act	TB 1467	Putting it together
TB 1163	Disasters		

ANIMALS IN ACTION (TV)

CH4 20 mins age: 9-13

A rich resource of natural history film from around the world.

TA 1548	Diversity	TA 1818	Smell
TA 1598	Locomotion	TA 1917	Skeletons
TA 1673	Food and feeding	TA 1983	Parental care
TA 1744	Vision	TA 2014	Life cycles

SCIENCE ZONE (TV)

BBC2 20 mins age: 11+

*A more wide-ranging investigative approach is adopted to show how science is used in a wider world. This series is designed with the non-specialists in mind.***PEOPLE**

TH 0338 It's in the blood TH 0357 Horses for courses

TYPES OF MATERIAL

TH 0370 Peak performance TH 0382 Criminal solutions

LIGHT AND SOUND

TH 0394 Many hands make light work TH 0459 Good vibrations

CHANGING MATERIALS

TH 0530 A rusty nail TH 0602 All fired up

FORCES

TH 0674 Taking the plunge TH 0743 Smooth running

LIVING

TI 0786 Fit for life TI 0858 Paradise lost

PLANTS AND ANIMALS

TI 0930 Project barn owl TI 1001 Guess who's coming to dinner?

ELECTRICITY

TI 1074 Make or break TI 1157 Power to the people

THE EARTH AND BEYOND

TI 1255 Sun seeker TI 1325 Out of this world

THE ENVIRONMENT

TI 1438 Green peace TI 1507 Creature comforts

CURRICULUM BITES SCIENCE: 11-14 (TV)

BBC2 120 mins age: 11-14

*A series of short programmes on revising physics, biology and chemistry at KS3.*TL 1129 Matter/heat/forces/electricity/habitats/food chains/cells/photosynthesis/ respiration/
diet/atoms/reactions/mass/ rocks/periodic table**KEYSTAGE 3 BITESIZE REVISION: SCIENCE (TV)**

BBC2 120 mins age: 11-14

Tapes 1 & 2 are for levels 1-5 and tape 3 is for levels 5-7.

TV 8697 Biology and chemistry – life processes, classification, changing materials, chemical reactions
 TV 8699 Chemistry and physics – changing materials, chemical reactions, metals, acids and alkali,
 electricity, magnetism, forces and motion, light and sound, earth and beyond, energy resources
 TV 8702 Food web, specialised cells, life processes, elements compounds and mixtures, chemical
 reactions, weathering, the particle model, colour, forces and motions, electromagnetism,
 conservation of energy

SCIENTIFIC EYE (TV)

CH4 20 mins age: 11-14

Each programme examines a single topic, with individual problems or stories being used to illustrate more general scientific ideas.

PHYSICAL PROCESSES 2

TF 0138 Solar system

TF 0292 Electricity

TF 0215 Air forces

TF 0369 Static electricity

LIFE AND LIVING PROCESSES 1

TF 0445 Photosynthesis

TF 0682 Respiration

TF 0523 Digestion and nutrition

TF 0759 Darwin and the dinosaurs

TF 0599 Food chains

PHYSICAL PROCESSES 1

TG 0061 Colour

TG 0287 Energy efficiency

TG 0136 Seeing the light

TG 0363 Rathes and roads

TG 0211 Hearing the sound

SCIENTIFIC EYE SPECIAL

TI 1709 Safety

MATERIALS AND THEIR PROPERTIES 3

TJ 0188 Changing state

TJ 0191 Sedimentary rocks

TJ 0189 Gas pressure and diffusion

TJ 0192 Burning fossil fuels

TJ 0190 Igneous rocks

TJ 0193 Using neutralisation

LIFE AND LIVING PROCESSES 2

TJ 0971 Movement

TJ 1112 Classification

TJ 1042 Cells

TJ 1213 Drugs and health

MATERIALS AND THEIR PROPERTIES 1

TJ 1795 Rust

TJ 2030 Limestone

TJ 1865 Fire

TJ 2103 Acids and alkalis

TJ 1936 Rocks

PHYSICAL PROCESSES 3

TK 0070 Temperature and heat

TK 0252 Magnetism

TK 0132 Electricity for the future

TK 0322 Machines and moments

TK 0191 Light and reflection

LIFE AND LIVING PROCESSES 3

TK 0362 Habitat and population

TK 0560 Energy for life

TK 0414 Green plants

TK 0643 Microbes and health

TK 0478 Diet and nutrition

SEEING THROUGH SCIENCE (TV)

BBC2 25 mins age: 11-14

Designed to meet the needs of the curriculum for 11-14 year olds and includes visits to many of the people using science everyday at work from radiographers to meteorologists, designers to engineers.

TC 1205	Voyagers in space – outer planets	TD 0550	Bugs in the system – harnessing microbes
TC 1289	Amazing materials – recycling chemistry	TD 0633	Across the spectrum – electro-magnetism
TC 1371	Gene genie genetics and inheritance	TD 0718	Eyes in the skies – artificial satellites
TC 1453	We are what we eat	TD 0802	The physics of fun – effects of forces
TC 1536	Young ecologist of the year	TE 0056	Damming the rivers of fire – earth's crust
TD 0043	Lost in space – solar system	TE 0142	Physics of seeing with sound – fish and submarines
TD 0129	Food for thought – new flavours	TE 0228	The cave that time forgot – ecology
TD 0214	Fit to race – bike design	TE 0314	The body builders – limb replacements
TD 0298	The problem with pests – pest control		
TD 0469	Great balls of fire – firework chemistry		

CURRICULUM BITES SCIENCE: 14-16 (TV)

BBC2 120 mins age: 14-16

A series of short programmes for revision in aspects of biology, chemistry and physics at KS4.

TL 1130	Cells/breathing/respiration/digestion/chromosomes/photosynthesis/elements/mass and atoms/periodic table/compounds/reactions/energy/circuits/forces/waves/radioactivity
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CHEMISTRY IN ACTION (TV)

CH4 20 mins age: 14-16

Designed as resource material for GCSE chemistry teachers.

TM 7700	Aluminium	TM 8381	Fit to drink
TM 7835	Iron and steel	TM 8518	Chemicals from salt 1
TM 7971	Ways with coal	TM 8648	Chemicals from salt 2
TM 8108	Poly (ethane)	TM 8778	Out of the air 1
TM 8242	Limestone	TM 8908	Out of the air 2

PHYSICS IN ACTION (TV)

CH4 20 mins age: 14-16

A selection of demonstrations and quantitative experiments in certain aspects of physics for GCSE.

TM 6294	Electrostatics 1	TM 6722	Radioactivity
TM 6363	Electrostatics 2	TM 6788	The thermal expansion of metals
TM 6427	The generation of electricity 1	TM 6855	The electromagnetic spectrum
TM 6594	The generation of electricity 2	TM 6923	The laws of motion 1
TM 6656	Electricity in the home	TM 6989	The laws of motion 2

ENCYCLOPEDIA GALACTICA (TV)

CH4 10 mins age: 11-16

Programmes on space and astronomy featuring new computer graphics and recently released footage of pioneers of space.

TE 0011 Prelude

INNER SOLAR SYSTEM

TE 0099 The sun

TE 0270 The earth

TE 0184 Mercury and Venus

TE 0355 The moon

OUTER SOLAR SYSTEM

TE 0442 Mars

TE 0691 The outer planets

TE 0527 Jupiter

TE 0773 The shooting stars

TE 0610 Saturn

STAR TREKKING

TE 0854 How the sky works

TE 1032 Autumn north – spring south

TE 0943 Summer north – winter south

TE 1121 Spring north – autumn south

DISCOVERY

TE 1297 The moon

TE 1566 The robot explorers

TE 1380 Riding the shuttle

TE 1654 Eyes of the universe

TE 1477 Into space: the future

ASTRONOMY AND THE STARS

TE 1957 The history of astronomy

TE 2194 Capturing the cosmos

TE 2035 Lives of the stars

TE 2265 Where on earth?

TE 2113 In the beginning

SCIENCE TOPICS (TV)

BBC2 20 mins age: 14-16

Designed to bridge the gap between the real world and the school laboratory.

TM 5629 Ecology and conservation

TM 8045 Newton and the shuttle

TM 5698 Darwin and evolution

TM 8247 Relationships

TM 5765 Genetics and genetic engineering

TM 11352 Biotechnology

TM 5834 Chemists at work

TM 11418 Radioactivity

TM 5899 Catalysis

THE NEW LIVING BODY (TV)

CH4 20 mins age: 14-16

A ten part series about the human body.

TE 0033 Bones and joints

TE 0464 Blood

TE 0121 Muscles

TE 0543 The brain

TE 0206 Skin

TE 0630 The senses

TE 0292 Breathing

TE 0712 Homeostasis

TE 0376 Digestion

TE 0794 Designer babies

SCIENCE IN ACTION (TV)

BBC2 20 mins age: 14-16

A flexible resource of magazine style programmes for mixed ability 14-16 years.

LIFE AND LIVING PROCESSES

TJ 0390	Microbes	TJ 0393	Respiration
TJ 0391	Photosynthesis	TJ 0394	Cells
TJ 0392	Animal nutrition	TJ 0395	Reproduction

MATERIALS AND THEIR PROPERTIES

TK 0590	States of matter	TK 0593	Chemical reaction
TK 0591	Elements and compounds	TK 0594	Acids and alkalis
TK 0592	Mixtures	TK 0595	Rocks

PHYSICAL PROCESSES

TK 0598	Electricity	TK 0601	Gravity
TK 0599	Electricity and magnetism	TK 0602	Friction
TK 0600	Forces	TK 0603	Linear motion

LIGHT, SOUND AND MEASUREMENT

TK 0663	Sound	TK 0666	Lights and mirrors
TK 0664	Light	TK 0667	Measurement and scale
TK 0665	Refraction and colour	TK 0668	Variables

ENERGY ACROSS THE CURRICULUM

TK 0695	Air	TK 0698	Energy and ecosystems
TK 0696	Heat and temperature	TK 0699	Responding to the environment
TK 0697	Energy	TK 0700	Biological variables

SHORT CIRCUIT (TV)

BBC2 25 mins age: 14-16

A look at some of the major scientific issues of today, their contentious aspects and the scientific information available to encourage informed debate.

CHEMISTRY, PHYSICS AND BIOLOGY

TI 1170	Aluminium	TI 1173	Energy changes
TI 1171	Ammonia	TI 1174	The eye
TI 1172	Redox reactions	TI 1175	Electromagnetism

BIOLOGY

TJ 0304	Cells	TJ 0307	Photosynthesis
TJ 0305	Blood and circulation	TJ 0308	Genetics
TJ 0306	Homeostasis	TJ 0309	Theory of evolution

PHYSICS

TJ 0310	Pressure	TJ 0313	Electromagnetic waves
TJ 0311	Radioactivity	TJ 0314	Earthquakes and seismic waves
TJ 0312	Space	TJ 0315	Shock waves

CHEMISTRY

TK 1323	Periodic tables	TK 1325	Changes in atmosphere
TK 1324	Investigating compounds	TK 1326	Polymers

HEALTH

TK 1327	Fatal addiction	TK 1328	Message in a bottle
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SCIENCE BANK 1 (TV)

CH4 120 mins age: 14-16

*A block transmission covering aspects of chemistry, physics and biology.***CHEMISTRY**

TJ 0199	Raw materials	TJ 0201	Patterns of reactivity
TJ 0200	Electrochemistry	TJ 0202	Motion of particles

PHYSICS

TJ 0203	Waves	TJ 0205	Electricity and magnetism
TJ 0204	Electromagnetic spectrum		

BIOLOGY

TJ 0206	Biological reactions	TI 0208	Energy and cycles in nature
TJ 0207	Cells and tissues		

SCIENCE BANK 2 (TV)

CH4 15 mins age: 14-16

*Programmes on aspects of chemistry, physics and biology.***CHEMISTRY**

TK 0770	Industrial chemistry	TK 0833	Reactions and energy changes
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PHYSICS

TK 0899	Force and motion	TK 0959	Radioactivity
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BIOLOGY

TK 1021	Responding to stimuli	TK 1072	Homeostasis
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SCIENCE BANK 3 (TV)

CH4 15 mins age: 14-16

*Programmes on aspects of chemistry, physics and biology.***CHEMISTRY**

TK 0771	Atomic structure	TK 0834	Patterns of behaviour
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PHYSICS

TK 0900	Circuits	TK 0960	Heat
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BIOLOGY

TN 0378	Food and digestion	TN 0380	Body parts
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SCIENCE IN FOCUS SPECIAL (TV)

CH4 20mins age: 14-16

*The aim is to involve students in making decisions about problems that are scientifically based.***LIVING SCIENCE**

TN 0352	Kevin Warwick: Cyborg man	TN 0376	Chris Wise: Mind over matter
TN 0365	Francesca Happe: A different kind of mind	TN 0382	Fran Ashcroft: The body in balance
TN 0372	Paul Nurse: Gene genie		

SCIENCE IN FOCUS (TV)

CH4 20 mins age: 14-17

The aim is to involve students in making decisions about problems that are scientifically based.

TA 0253 Waste disposal

EARTH SCIENCES

TA 1562 Energy in the atmosphere: hurricanes

THE NATURE OF SCIENCE

TA 1779 Being a scientist

TA 1889 Beyond all doubt

TA 1951

TA 2003

Predictions and explanations

Jumping to conclusions

ENERGY

TB 0036 Energy transfer

TB 0113 Energy and heat loss

TB 0196

TB 0278

Energy in the earth: volcanoes

Energy and the food web

INFORMATION AND COMMUNICATION

TB 0359 Sound, music and noise

TB 0441 Storage and retrieval

TB 0521

Imaging

EXEMPLARS UNIT

TD 0874 The extraction of metals

TD 0951 Oil as a raw material

TD 1030 The chlor-alkali industry

TD 1109 Electricity generation 1

TD 1189

TD 1268

TD 1349

Electricity generation 2

Genetic engineering

The nitrogen cycle

LIFE SCIENCE 1

TF 0023 Genetics

TF 0097 Enzymes

TF 0174

TF 0251

Cell biology

Ecosystems

PHYSICAL PROCESSES 1

TF 1380 Energy and energy transfer

TF 1456 The electro-magnetic spectrum

TF 1532

Sound

LIFE SCIENCE 2

TG 0021 Hormones

TG 0097 Defence mechanisms

TG 0170

Genetic inheritance

SPECIALS: ELECTRONS AT PLAY

TH 0354 Electrostatics and the electron

TH 0434 Glowing in the dark

TH 0504

Seeing with electrons

LIFE SCIENCE 4

TI 0038 Day of the rhododendron

TI 0089 Life in the greenhouse

TI 0142

TI 0286

Ecology – the human impact

Evolution – the cat and horse

FARADAY LECTURES 1

TI 0671 Digital communications

TI 0676

Digital information storage

MATERIALS 1

TI 1717 Rock sculptures

TI 1780 Grand Canyon

TI 1843

TI 1909

Periodic table

Models

LIFE SCIENCE 3

TJ 0346 Life blood

TJ 0436

Wired

SCIENCE IN FOCUS (TV) (continued)**SPECIAL: LIVING SCIENCE**

TI 0797	Kevin Warwick – cybernetics and robot intelligence	TI 1012	Chris Wise – the art of engineering
TI 0869	Francesca Happe – understanding autism	TI 1084	Frances Ashcroft – keeping the body in balance
TI 0940	Paul Nurse – seeking the cancer gene	TI 1167	Steve Sparks – exploring volcanoes

PHYSICAL PROCESSES 2

TJ 0055	Electromagnetic spectrum	TJ 0247	Energy – keeping warm, keeping cool
TJ 0126	Earthquakes – the sound of the earth		

FARADAY LECTURES 3

TJ 0485	Beyond the square window – digital television	TJ 0486	Beyond the square window – creating virtual television characters
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PHYSICAL PROCESSES 3

TJ 1396	Electric city	TJ 1629	Radioactivity
TJ 1466	Electromagnetism	TJ 1698	Forces and motion
TJ 1554	The big bang		

MATERIALS 2

TJ 1776	The science of recycling	TJ 1917	Material witness
TJ 1846	Oil alert	TJ 2011	A most dangerous place

FARADAY LECTURES 2

TJ 2000	Clocks, atomic clocks and time measurement	TJ 2070	Global positioning and map making
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BIG QUESTIONS

TL 0080	Faraday's famous inventions	TL 0232	Mendeleyev's dream
TL 0130	Charles Darwin's evolution	TL 0270	Hubble's expanding universe
TL 0181	Mendel and the gene splicers		

THE VIRTUAL BODY

TL 0315	Circulation, respiration and breathing	TL 0412	Homeostasis
		TL 0462	Sensory systems
TL 0361	Immune systems	TL 0505	Genetic engineering

THE THEORY OF EVERYTHING (TV)

CH4 50 mins age: 14-19
A three part investigation into string theory.

TN 0354	Programme 1	TN 0377	Programme 3
TN 0366	Programme 2		

EQUINOX: THE ELEMENTS (TV)

CH4 30 mins age: 16-19
Roger McGough presents this programme on the elements of the Periodic Table.

TC 1954	1 programme		
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GCS EASE: REAL SCIENCE (TV)

CH4 25 mins age: 14-19

An insight into the techniques used in a range of science based activities.

TL 0047	Scene of crime investigation techniques	TL 0197	Pushing the limits – physical responses to extreme activity
TL 0094	Extreme roller coaster design	TL 0247	That’s my baby – invitro-fertilisation
TL 0145	SARS outbreak identification and control	TL 0280	Physics of motor cycle stunt riding

EXPERIMENTS (TV)

CH4 15 mins age: 16-19

*Filmed experiments at A level, involving techniques and experiments not normally available in the school laboratory.***CHEMISTRY**

TM 8962	Applications of an electrochemical cell	TM 9154	A kinetic study using spectrophotometry
TM 9027	Mechanism of alkene bromination		

BIOLOGY

TM 11030	Electron microscopy	TM 11152	The isolation and metabolism of mitochondria
TM 11075	An investigation of photosynthesis	TM 11219	The physiology of exercise

PHYSICS

TM 11342	Milikan’s oil drop experiment	TM 11470	Experiments of the Doppler effect
TM 11408	The Rutherford scattering of alpha particles	TM 11513	Ionisation and excitation potential

THE BIOLOGY COLLECTION (TV)

BBC2 20 mins age: 16-18

The structure of cells, embryo research and Darwin’s theory of evolution

TB 1814	Cell biology	TE 1544	Ecosystems and energy
TB 1929	Mechanisms of change 1	TE 1632	Human influences on the environment
TB 1952	Mechanisms of change 2	TE 1721	Human diseases
TE 1358	Genetics		
TE 1448	Biotechnology		

SOLUTIONS: SCIENCE 16-19 (TV)

CH4 20 mins age: 16-19

Basic scientific principles and techniques are put into exciting and practical problem solving contexts.

TB 1645	Forensic science: chemistry fights crime	TB 1806	Design a ride: the physics of fear
		TB 1920	Clean energy: science fact or fiction?
TB 1727	Magic bullets: modern drug design	TB 2005	Tilting the balance: oil slicks

GCSE BITESIZE REVISION: SCIENCE (NEW CURRICULUM) (TV)

BBC2 120 mins age: 14-16

A series of programmes for GCSE revision in biology, chemistry and physics. These programmes are for candidates studying up to Grade C and are to be used with the Higher Tier programme.

BIOLOGY

TN 0775 Humans as organisms, green plants as organisms, variation inheritance and evolution, living things in their environments

CHEMISTRY

TN 0774 Classifying materials: atomic structure, bonding, properties of materials
Changing materials: useful products from organic sources, useful products from metal ores and rocks, useful products from air changes to the earth and atmosphere
Patterns of chemical behaviour: periodic table, chemical reaction, rates of reaction, energy transfers in reaction

PHYSICS

TN 0772 Electricity, forces and motion, waves, earth and beyond, energy resources and transfer, radioactivity

GCSE BITESIZE REVISION: SCIENCE (NEW CURRICULUM) HIGHER TIER (TV)

BBC2 115 mins age: 14-16

This programme is intended for those GCSE candidates who aim for a grade higher than grade C.

TN 0773 **BIOLOGY:** cell activity, human respiration, homeostasis, plant nutrition, variation, inheritance and evolution, living things in the environment (40 mins)

CHEMISTRY: classifying materials, changing materials, patterns of chemical behaviour (35 mins)

PHYSICS: electricity, forces and motion, waves, earth and beyond, energy resources and transfer, radioactivity (40 mins)

AS GURU: BIOLOGY (TV)

BBC2 120 mins age: 16-18

Two programmes for revision on aspects of A-level biology.

TO 0395 Biological molecules, organs and systems, ecology

TO 0396 Cell biology, genetics and biotechnology

ANATOMY FOR BEGINNERS (TV)

CH4 45 mins age: general output

A four part series demonstrating by dissection of corpses the main functions of the human body. Not for the faint-hearted!

TV 10102 Movement
TV 10103A The digestive system
TV 10103B Reproduction

TV 10104 The respiratory and circulatory systems

ANIMAL FARM (TV)

CH4 60 mins age general output

How will genetic modification be used to benefit our future health?

TV 10401	Part 1	TV 10403	Part 3
TV 10402	Part 2		

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 10797F	Helicopters; brain-testing
TV 10797B	'Goldilocks' planets	TV 10797G	British summers; speech
TV 10797C	30,000 plastic ducks	TV 10797H	Microwaves; nurture v. nature
TV 10797D	Magnetic cows	TV 10797J	Spiders' silk; RAF flight school
TV 10797E	US Navy's latest weapon	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 10798E	Steam power; skiing; chocolate
TV 10798B	G-force; atoms; snorkels	TV 10798F	Climate change; avalanches; optical illusion
TV 10796C	Lie detectors; 3D; Charles Darwin	TV 10798G	Free-diving; steel; horse power
TV 10798D	Steel, dolphins; fire	TV 10798H	Smell; origin of life; junk fuel

CRACKING THE CODE (TV)

BBC2 50 mins age: general output

An eight part series on the history of genetics presented by Dr David Suzuki.

TV 1367	Improving plants and animals	TV 1579	Gene therapy
TV 1382	DNA connection	TV 1624	Genetic faults
TV 1393	Birth, sex and death	TV 1634	Adaptable viruses
TV 1565	DNA and evolution	TV 1690	Do genes matter?

DARWIN'S DANGEROUS IDEAS (TV)

BBC2 60mins age: general output 2009

Andrew Marr traces the development of evolutionary theory from its beginnings to the present day.

TV 10754	Body and soul	TV 10756	life and death
TV 10755	Born equal?		

EINSTEIN AND EDDINGTON (TV)

BBC2 150mins age: 14-18 2008

Drama about the two scientists and the theory of relativity.

TV 10826 1 programme

THE FARM REVEALED (TV)

CH4 30 mins age: general output

*A look at the bio-technology underlying modern food production, criminal investigation, drug manufacture and organ transplantation.*TQ 0139 Prosthetic devices
TQ 0150 Selective breeding
TQ 0155 Tissue engineeringTQ 0158 Cloning
TQ 0166 Genetic modification**HORIZON (TV)**

BBC2 60mins age: 14-18 2009

Professor Brian Cox assesses the past, present and future of nuclear fusion, as an ultimate source of energy.

TV 10759 Can we make a star on earth?

HORIZON (TV)

BBC2 60mins age: 14-18 2009

An examination of how we are governed by our body clocks.

TV 10758 The secret life of your body clock

HORIZON: DID COOKING MAKE US HUMAN? (TV)

BBC2 60mins age: 14-18 2010

An examination of whether humanity's taste for cooked food has contributed to its development into the smartest species on the planet.

TV 10846 1 programme

HORIZON: EINSTEIN (TV)

BBC2 50 mins age: 14-18

Two programmes on the effects of relativity theory and Einstein's reservations about it.

TV 10142 Einstein's unfinished symphony

TV 10144 Einstein's equation of life and death

HORIZON: GRAVITY (TV)

BBC2 50 mins age: 14-18

Dr Brian Cox experiments with gravity to see if he can find its meaning.

TV 10677 1 programme

HORIZON: LIVING TO 101 (TV)

BBC2 50 mins age: 14-18

Horizon meets people who can show us how we can increase our chances of living to 101.

TV 10676 1 programme

HORIZON: THE SERCET YOU (TV)

BBC2 60mins age:14-18 2009

Professor Marcus De Sautoy seeks answers to the question – how do we know who we are?

TV 10850 1 programme

HORIZON: TO INFINITY AND BEYOND (TV)

BBC2 60mins age: 14-18 2010

The implications of the findings by mathematicians that there is not one, but many, infinities

TV 10851 1 programme

HORIZON: WHAT MAKES A GENIUS? (TV)

BBC2 60mins age: 14-18 2010

Professor Marcus De Sautoy explores the limits of the human brain and genius characteristics

TV 10852 1 programme

HORIZON: WHY DO WE DREAM? (TV)

BBC2 60mins age: 14-18 2009

The part dreams play in our lives, from our memories and our ability to learn, to maintaining mental health.

TV 10853 1 programme

HORIZON: WHY DO WE TALK? (TV)

BBC2 60mins 2009 age: 14-18 2009

Speech is a skill unique to humans, but little is known of its processes. Some scientists try to unlock its secrets,

TV 10854 1 programme

HORIZON SPECIAL: LIFE STORY (TV)

BBC2 110mins age: 14-18

A feature film starring Jeff Goldblum and Tim Pigott-Smith as two young scientists competing to discover the secrets of DNA in the early 1950s.

TV 1333B 1 programme

JIMMY DOHERTY IN DARWIN'S GARDEN(TV)

BBC2 60mins age: general output 2009

Charles Darwin came up with some ingenious experiments to prove jis theory of evolution. Jimmy Doherty attempts to recreate some of them.

TV 10750 Dangerous ideas

TV 10752 Of apes and men

TV 10751 The storm breaks

KNTV PHILOSOPHY (TV)

CH4 30 mins age: general output 2008

Animation is used to explore key science questions through the life and works of 10 famous philosophers.

TQ 0110	Einstein	TQ 0144	Thomas Paine
TQ 0118	Darwin	TQ 0153	Plato
TQ 0122	Newton	TQ 0157	Karl Marx
TQ 0129	Descartes	TQ 0164	Adam Smith
TQ 0136	Freud	TQ 0171	Friedrich Nietzsche

IN THE SHADOW OF THE MOON (TV)

CH4 60 mins age: general output

Documentary about the Apollo moon landing missions of the 1960's and 1970's.

TV 10678 1 programme

MUSEUM OF LIFE (TV)

BBC2 60mins age: 14-18 2010

Jimmy Doherty goes behind the scenes at the Natural History museum

TV 10887A	A museum for a modern world	TV 10887D	Discovery
TV 10887B	Digging up the past	TV 10887E	The power of insects
TV 10887C	All creatures great and small	TV 10887F	A collection for the future

RICHARD HAMMOND'S INVISIBLE WORLDS (TV)

BBC1 60mins age: 14-18 2010

Richard Hammond explores the hidden secrets of the invisible world around us.

TV 10910A	Speed limits	TV 10910C	Off the scale
TV 10910B	Out of sight		

THE SECRET LIFE OF TWINS (TV)

BBC1 60mins age: 14-18 2009

A fascinating insight into identical twins.

TV 10915A	Similarities	TV 10915B	Differences
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SOUTH PACIFIC (TV)

BBC2 60mins age: general output 2009

The isolation of these islands has created curious examples of wildlife and a different human culture

TV 10760	Ocean of islands	TV 10763	Ocean of volcanos
TV 10761	Castaways	TV 10764	Strange islands
TV 10762	Endless blue	TV 10765	Fragile paradise

THE STORY OF SCIENCE: POWER, PROOF AND PASSION (TV)

BBC2 60mins age: 14-18 2010

Michael Mosley explores how the evolution of scientific understanding is interwoven with society's historical path.

TV 10926A What is out there?

TV 10926B What is the world made of?

TV 10926C How did we get here?

TV 10926D Can we have unlimited power?

TV 10926E What is the secret of life?

TV 10926F Who are we?

UNCOVERING OUR EARLIEST ANCESTOR (TV)

BBC1 60mins age: general output 2009

David Attenborough looks at a recent scientific discovery that may change our understanding of evolution.

TV 10753 The Link

WONDERS OF THE SOLAR SYSTEM (TV)

BBC2 60mins age: 11-18 2010

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TV 10962B Order out of chaos

TV 10962C The thin blue line

TV 10962D Dead or alive

TV 10926E Aliens