

SET UP Science

Issue 27/02/02 W

South Cheshire



Registered Charity No. 1060092

President: Claire Curtis-Thomas MP

Supported by



National Science Week, 2002

Supported by

The British Association for the Advancement of Science

SECONDARY PROGRAMME

FRIDAY, 8th March

Number	Title and Description of Visit/Presentation	Venue and Time	Requirements	Age	No. of children
8S2 Fri 8 March	<p>PARASITIC DISEASES OF THE DEVELOPING WORLD <i>A major scientific and moral challenge. Parasitic diseases, social consequences, ignorance of the 3rd world.</i> Presenter: Prof Richard Grencis 0161 275 5238 Prof of Molecular Biology, U of Manchester</p> <p>Malbank School and Sixth Form Centre Welsh Row Nantwich, Cheshire CW5 5HD - S Cavanagh 01270 611009</p>	<p>At School 10 – 11-30</p>	<p>Ohp/screen/ slide projector</p> <p>Host: Mr R Charlton</p>	16 -18	25
8S3 Fri 8 March	<p>THE EARTH SCIENCES <i>Planetarium astronomical presentation with slides; Meteostat weather demonstration; Geology presentation; Alternative energy.</i> Presenter: Michael Pace 01782 785205 Project Director, Newchapel Observatory</p> <p>Middlewich County High School King Street Middlewich, Cheshire CW10 9BU - Mrs E C Griffiths 01606 833170</p>	<p>At Newchapel Observatory 9-45 – 11-45</p>	<p>BUS 9.00</p> <p>Host: Mrs A Pask</p>	13/14	31
8S4 Re-arrange to a later date	<p>BASIC RESUSCITATION SKILLS <i>An introduction to basic resuscitation skills. Hands-on!</i> Presenter: David Stevenson 01270 255141 Chief Medical Technical Officer, Leighton Hospital</p> <p>Springfield School Crewe Green Road Crewe, Cheshire CW1 5HS - Mrs J Turner 01270 582446</p>	<p>At School 9.15 - 11.00</p>	<p>Ohp/screen Or tv + video</p> <p>Host: Mrs B Crabb</p>	16- 19	25?
8S5 Fri 8 March	<p>X RAY VISION <i>An examination of using synchrotron radiation to probe substances at the atomic level including viruses, proteins and polymers</i> Presenter: Dr Tracy Turner 01925 603499 Facility Leader, Daresbury Laboratory, Daresbury, Warrington</p> <p>Sandbach Girls County High School Middlewich Road Sandbach, Cheshire CW11 9EB - Ms T Hissett 01270 765031</p>	<p>At School 10.05 – 10.50</p>	<p>OHP&SCREEN</p> <p>Host: Mr R Foden</p>	16– 18	30
8S6 Fri 8 March	<p>ALL RIGGED UP <i>A description of the process that transforms raw materials into the finished product a Bentley. Plus hands on car building!</i> Presenter – A graduate engineer Contact - Andrew Gorman 01270 535009 Development Officer, Rolls-Royce and Bentley Motor Cars</p> <p>Brine Leas County High School Audlem Road Nantwich, Cheshire CW5 7EA - Mr T Price 01270 625663</p>	<p>At School 9-55 – 10.55</p>	<p>Host: Mrs N Williamson</p>	11-12	22

MONDAY, 11th March					
Number	Title and Description of Visit/Presentation	Venue and Time	Requirements	Age	No. of children
11S1 Mon 11 March	CROSSING THE GAP. <i>An explanation of the forces operating within a bridge, with a practical session.</i> Presenter :Andy Fewtrell 01270 589615 Group Managing Director, Up and Under Ltd. Victoria Community Technology School Meredith Street Crewe, Cheshire CW1 2PZ - Mr G .Jones 01270 537901	At School 1-20 – 2-20pm	Ohp/screen/ blackout and a long table Host: NONE	14-16	20
11S3 Mon 11 March	THE EARTH SCIENCES <i>Planetarium astronomical presentation with slides; Meteostat weather demonstration; Geology presentation; Alternative energy.</i> Presenter: Michael Pace 01782 785205 Project Director, Newchapel Observatory Ruskin County High School Ruskin Road Crewe, Cheshire CW2 7JT - Mr Smith 01270 560514	At Newchapel Observatory 2-00- 3-00pm	BUS 1.15 Host: Mrs E Cottrell	14	30
11S4 Mon 11 March	ORGANISATION AND FUNCTION OF ELECTRONIC MANUFACTURING <i>A talk on the way I run a modern electronic manufacturing business, plus a tour of the factory.</i> Presenter: Bramham Knight 01270 588733 MD, KCS Electronics Ltd Brine Leas County High School Audlem Road Nantwich, Cheshire CW5 7EA - Mr T Price 01270 625663	At KCS Electronics Ltd, Crewe Gates Ind Estate 9-55 – 10-55am	BUS 9.25 Host: Mrs J Weatherill	15/16	22
11S5 Mon 11 March	WE SEEK THEM HERE, WE SEEK THEM THERE <i>Forward looking infra-red (FLIR) technology.</i> Presenter: PC Stephen Stretch Police Air Observer, Cheshire Police Air Support Unit King's Grove County High School Buchan Grove, Crewe Cheshire CW2 7NG - Mrs A Wright 01270 661223	At School 10.15-11.15	TV and Video and table Host: Mrs J Wilson	12/13	25
TUESDAY, 12th March					
Number	Title and Description of Visit/Presentation	Venue and Time	Requirements	Age	No. of children
12S1 Tue 12 March	SENSORY GARDENS – STAPELEY WATER GARDENS <i>Explore and discuss the design and planting of a sensory garden.</i> Presenter: Mrs Carol Adams 01270 623868 Shrub Manager, Stapeley Water Gardens Brine Leas County High School Audlem Road Nantwich, Cheshire CW5 7EA - Dr R Dunford 01270 625663	At Stapeley Water Gardens 10-00 – 10-45	BUS 9.40 Host: Mr T Protheroe	11-14 or 14-16	Class
12S3 Tue 12 March	THE EARTH SCIENCES <i>Planetarium astronomical presentation with slides; Meteostat weather demonstration; Geology presentation; Alternative energy.</i> Presenter: Michael Pace 01782 785205 Project Director, Newchapel Observatory Springfield School Crewe Green Road Crewe, Cheshire CW1 5HS - Mrs J Turner 01270 582446	At Newchapel Observatory 10-15 – 11-45am	BUS 9.30 Host: Mr M Bennett	15- 16	12
12S4 Tue 12 March	THE MEDICINE MAN <i>An overview of holistic and technological diagnoses and treatments. Hands on!</i> Presenter: David Stevenson 01270 255141 Chief Medical Technical Officer, Leighton Hospital Brine Leas County High School Audlem Road Nantwich, Cheshire CW5 7EA - Dr R, Dunford 01270 625663	At School 10-00 – 11-00	Ohp/screen/ Slide projector/ Blackout Host: Mrs A Brydon	15/16	20

12S5 Tue 12 March	THE FLYING MACHINE <i>With the use of flying models an exploration of flight and some of the design characteristics</i> Presenter: Presenter: Stan Pearson 01270 583331 (and Crewe ATC) Brine Leas County High School Audlem Road Nantwich, Cheshire CW5 7EA - Mr T Price 01270 625663	At school 10-55- 11-55	Hall 50 x 50 x 18 feet high Table Host: Mr J Marsden	11-14	22
12S7 Tue 12 March	SICK CHILDREN INTO HEALTHY ADULTS <i>How does modern science and technology help small babies survive and grow</i> Presenter Dr R.E.Pugh 01270 612186 Consultant Paediatrician, Leighton Hospital, Crewe Victoria Community Technology School Meredith Street Crewe, Cheshire CW1 2PZ - Ms C Williams 01270 537943	At School 10 – 11.0am	Host: Mrs B Morris	14 /15	25
WEDNESDAY, 13th March					
Number	Title and Description of Visit/Presentation	Venue and Time	Requirements	Age	No. of children
13S1a Wed 13 March	CROSSING THE GAP. <i>An explanation of the forces operating within a bridge, with a practical session.</i> Presenter :Andy Fewtrell 01270 589615 Group Managing Director, Up and Under Ltd. St.Thomas More RC School Dane Bank Avenue Crewe, Cheshire CW2 8AE - Ms A Guest 01270 568014	At School 9-30 – 10-30	Ohp/screen/ blackout and a long table Host: NONE	14- 16	26
13S1b Wed 13 March	CROSSING THE GAP. <i>An explanation of the forces operating within a bridge, with a practical session.</i> Presenter : Andy Fewtrell 01270 589615 Group Managing Director, Up and Under Ltd. Shavington County High School Rope Lane, Shavington Crewe, Cheshire CW2 5DH - P.Thornhill 01270 662111	At School 11-10 – 12-10	Ohp/screen/ blackout and a long table Host: NONE	11-14	25
13S3 Wed 13 March	THE EARTH SCIENCES <i>Planetarium astronomical presentation with slides; Meteostat weather demonstration; Geology presentation; Alternative energy.</i> Presenter: Michael Pace 01782 785205 Project Director, Newchapel Observatory Middlewich County High School King Street Middlewich, Cheshire CW10 9BU - Mrs E C Griffiths 01606 833170	At Newchapel Observatory 10-00 – 12-00	BUS 9.15 Host: Mrs C Salthouse	13/14	31
13S4 Wed 13 March	THE MEDICINE MAN <i>An overview of holistic and technological diagnoses and treatments Hands on!</i> Presenter: David Stevenson 01270 255141 Chief Medical Technical Officer, Leighton Hospital St.Thomas More RC School Dane Bank Avenue Crewe, Cheshire CW2 8AE - Ms A Guest 01270 568014	At School 9-30 – 10-30am	Ohp/screen/ Slide projector/blackout Host: Mr R Sheasby	14- 16	25
13S5 Wed 13 March	SMALL BABIES NEED BIG SCIENCE <i>Interactive presentation with a visit to the hospital's maternity unit where small babies are nursed.</i> Presenter: Dr Alistair Thomson 01270 612289 Consultant Paediatrician, Leighton Hospital Victoria Community Technology School Meredith Street Crewe, Cheshire CW1 2PZ - Ms C Williams 01270 537436	At Leighton Hospital 2-20 – 3-20	BUS 1.50 Host: Mrs D Sheasby	14 /15	25

13S7 Wed 13 March	SYNCHROTRON RADIATION <i>What is it? How it is made and its uses. Includes a tour.</i> Presenter: Anne Humphreys 001925 603708 Sandbach Boys School Crewe Road Sandbach, Cheshire CW11 4HH - Mr K Stancombe 01270 758870	At CLRC Daresbury Laboratory 10 -15 – 12-00	BUS 9.15 Host: Mr D Scott	16-/17	30
THURSDAY, 14th March					
Number	Title and Description of Visit/Presentation	Venue and Time	Requirements	Age	No. of children
14S2 Thu 14 March	A CHAT ABOUT ASTRONOMY <i>A question and answer session on astronomy or a discussion on a related topic of your choice</i> Presenter: Sir Professor Graham – Smith 01625 612657 Emeritus Professor of Astronomy Sandbach Girls County High School Middlewich Road Sandbach, Cheshire CW11 9EB - Ms T Hissett 01270 765031	At School 10-15-11-15	 Host: Mr R Foden	16-18	15
14S4 Thu 14 March	WE SEEK THEM HERE, WE SEEK THEM THERE <i>Forward looking infrared (FLIR) technology.</i> Presenter: PC Stephen Stretch Police Air Observer, Cheshire Police Air Support Unit St Thomas More RC School Dane Bank Avenue Crewe, Cheshire CW2 8AE - Ms A Guest 01270 568014	At School 9.15-10.15	TV , Video and table Host: Mrs N Williamson	14-16	30
14S5 Thu 14 March	THE FUTURE OF CARS <i>New designs, materials and systems explored in a hands-on project.</i> Presenter – A graduate engineer Contact - Andrew Gorman 01270 535009 Development Officer, Rolls-Royce and Bentley Motor Cars Malbank School and Sixth Form Centre Welsh Row Nantwich, Cheshire CW5 5HD - Mr T Leigh 01270 611009	At School 10 -11.30am	 Host: Mrs M Seaton	16- 18	11
14S7 Thu 14 March	ORGANISATION AND FUNCTION OF ELECTRONIC MANUFACTURING <i>A talk on the way I run a modern electronic manufacturing business, plus a tour of the factory.</i> Presenter: Bramham Knight 01270 588733 MD, KCS Electronics Ltd Malbank School and Sixth Form Centre Welsh Row Nantwich, Cheshire CW5 5HD - Mr T Leigh 01270 611009	At KCS Electronics Ltd, Crewe Gates Ind Estate 10.00 – 11.00	BUS 9.30 Host: Ms S Wells	16-18	16
FRIDAY, 15th March					
Number	Title and Description of Visit/Presentation	Venue and Time	Requirements	Age	No. of children
15S1 Fri 15 March	GEMMOLOGY – THE SCIENTIFIC STUDY OF GEMS <i>To introduce the application of science as a means of identifying gemstones used in jewellery.</i> Presenter: John Pass 01270 214157 Jeweller Ruskin County High School Ruskin Road Crewe, Cheshire CW2 7JT - Mr Smith 01270 560514	At School 11-30 – 12-30pm	 Host: Mrs J Golding	13/14	30
15S2 Fri 15 March	SENSORY GARDENS – STAPELEY WATER GARDENS <i>Explore and discuss the design and planting of a sensory garden.</i> Presenter: Mrs Carol Adams 01270 623868 Shrub Manager, Stapeley Water Gardens Malbank School and Sixth Form Centre Welsh Row Nantwich, Cheshire CW5 5HD - S Cavanagh 01270 611009	At Stapeley Water Gardens 10.30-11.15	BUS 10.10 Host: Mrs I Thwaites	14-16	30

15S3 Fri 15 March	<p>THE FLYING MACHINE <i>With the use of flying models an exploration of flight and some of the design characteristics</i></p> <p>Presenter: Presenter: Stan Pearson 01270 583331 (and Crewe ATC)</p> <p>Ruskin County High School Ruskin Road Crewe, Cheshire CW2 7JT - Mr Smith 01270 560514</p>	At School 2-00 – 3-00	Hall 50 x 50 x 18 feet high Table Host: Mr M Bennett	11	30
15S5 Fri 15 March	<p>THE USE OF ENGINEERING CERAMICS <i>A brief explanation of the use of engineering ceramics. Examples are the manufacture of drink cans and guides for fibres.</i></p> <p>Presenter: Dr Charles Marsden 01270 501000 Dynamic – Ceramic Ltd</p> <p>Malbank School and Sixth Form Centre Welsh Row Nantwich, Cheshire CW5 5HD - S Cavanagh 01270 611009</p>	At School 10-00 – 10-50	Ohp /screen/table Host: Mrs A Brydon	16-18	Class
15S6 Fri 15 March	<p>CHEMISTRY OF HAPPINESS AND HATRED <i>How diet and nutrients affect mood. Is depression all in the mind?</i></p> <p>Presenter: Ms M.Moss 0161 432 0964 Nutritionist, Stockport</p> <p>Sandbach Girls County High School Middlewich Road Sandbach, Cheshire CW11 9EB - Ms T Hissett 01270 765031</p>	At School 10-0 – 11-0am	OHP and screen Host: Mr D Rowlands	16 -18	30
15S8 Fri 15 March	<p>ALL RIGGED UP <i>A description of the process that transforms raw materials into the finished product. Plus hands on car building!</i></p> <p>Presenter – A graduate engineer Contact - Andrew Gorman 01270 535009 Development Officer, Rolls-Royce and Bentley Motor Cars</p> <p>Shavington County High School Rope Lane, Shavington Crewe, Cheshire CW2 5DH - P Thornhill 01270 662111</p>	At School 10-11.0	Host: Ms S Wells	14- 16	30
15S9 Fri 15 March	<p>BASIC RESUSCITATION SKILLS <i>An introduction to basic resuscitation skills. Hands-on!</i></p> <p>Presenter: Sue Hamman RN 01270 255141 X3074 Resuscitation Training Officer, Leighton Hospital</p> <p>King's Grove County High School Buchan Grove, Crewe Cheshire CW2 7NG - Mrs A Wright 01270 661223</p>	At School 9.15 - 10.45	Ohp/screen Or tv + video Host: Mrs M Seaton	12/13	25