



**THE SCIENCE COUNCIL
ANNUAL REPORT
AND
FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31ST DECEMBER 2011**

REGISTERED CHARITY No 1131661

**THE SCIENCE COUNCIL
FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST DECEMBER 2011
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**THE SCIENCE COUNCIL
ORGANISATION INFORMATION
FOR THE YEAR ENDED 31ST DECEMBER 2011**



Registered Office	32-36 Loman Street Southwark London SE1 0EH
Bankers	HSBC 39 Tottenham Court Road London W1T 2AR
Accountants	The Kings Mill Partnership Chartered Accountants 75 Park Lane Croydon Surrey CR9 1XS
Legal advisers	Farrer and Co LLP 66 Lincoln Inn's Fields London WC2A 3LH
Auditors	Littlejohn LLP Chartered Accountants and Statutory Auditors 1 Westferry Circus Canary Wharf London E14 4HD
Web sites	www.sciencecouncil.org www.charteredscientist.org www.futuremorph.org www.hiddensciencemap.org

TRUSTEES REPORT

The Board of Trustees present their annual report and the audited financial statements for the year ended 31st December 2011.

CONSTITUTION AND PRINCIPAL ACTIVITY

The Science Council was established under Royal Charter in October 2003 and was registered as a charity with the Charity Commission in September 2009. The principal activity of The Science Council is to promote the advancement and dissemination of knowledge of and education in science, pure and applied, for public benefit. An amended Charter received Privy Council seal on 10th December 2008.

STRUCTURE AND GOVERNANCE

The Science Council is a membership organisation governed by a Board of Trustees answerable to the Full Council of Member Bodies. The Board of Trustees is chaired by the President and there are currently ten elected trustees and one co-opted trustee.

RESULTS FOR THE YEAR

Incoming resources for the year totalled £583,417 (£2010: £503,744). After total expenditure of £630,655 and an exceptional item of £31,525 (2010: £529,371) the year's activities showed a deficit of £78,764 (2010: deficit £25,627) which, when accumulated with the funds brought forward from previous years, leaves the Science Council with total funds at the year end of £221,085 (2010: £299,849). This is represented by unrestricted funds of £209,085 (2010: £287,849) and restricted funds of £12,000 (2010: £12,000).

A financial plan for future years has been agreed to ensure that projects are funded from additional income.

TRUSTEES 2011

Sir Tom McKillop retired as President after the June AGM, handing over to Sir Tom Blundell.

Tom McKillop (President of Council and Chair of the Board until June 2011)
Tom Blundell (President of Council and Chair of the Board from June 2011)
Jennifer Blumhof
David Brown
Martin Dougherty (resigned June 2011)
Mark Downs
David Evans (Honorary Treasurer, co-opted April 2009)
David Garner (elected June 2011)
Paul Hardaker
Robert Kirby-Harris
Edmund Nickless (retired June 2011)
Robert Parker (co-opted September 2011)
Richard Pike (resigned April 2011)
Jon Poole (elected June 2011)
Keith Read (vice-chair of the Board)
Jill Rodney (elected June 2011)

Trustees are elected by Member Bodies to serve in this capacity as individuals and not as representatives of organisations, interest groups or sectors. Elected Trustees normally serve a four year term and one quarter of elected Trustees will retire each year. The first rotation took place at the AGM in 2010.

There are two Board sub-committees:

Audit and Risk Committee

David Brown
Dr Martin Dougherty (until June 2011)
Prof Paul Hardaker (Chair)
Dr Robert Kirby-Harris

There are also three external Audit and Risk Committee members: Elizabeth Goodwin; Simon Kemp and Simon Jackson.

Nominations Committee

Jennifer Blumhof
Mark Downs (from June 2011)
Richard Pike (until April 2011)
Keith Read

Trustee recruitment

Trustees are nominated for election by Member Bodies. A Nominations Committee ensures that the process for the recruitment of Trustees follows the procedures set out in the Bylaws and Regulations and led the process during 2010 of identifying a successor President. The Board may have a maximum of twelve elected Trustees and up to three further co-opted trustees.

Sir Tom McKillop retired as President of the Science Council at the AGM in June 2011 and was succeeded by Professor Sir Tom Blundell.

Meetings

The Board of Trustees met formally four times during 2011.

Trustee induction

During the year newly elected Trustees participated in trustee induction sessions and were joined by existing trustees. All current Trustees have participated in the induction session and several trustees have participated in additional training and induction opportunities. A Trustee Manual that includes essential information is made available to all Trustees in both printed and electronic format.

Office location

The Science Council remained located at 32-36 Loman Street in Southwark in shared office space for voluntary and social enterprise organisations run by Can-Mezzanine.

Chief Executive and senior staff

Diana Garnham continued in the role of Chief Executive and Registrar of the Science Council. Ali Orr continued in the role of Deputy Registrar and Nicola Hannam as Director, Education and Skills.

Reserves policy

In July 2009 the Board agreed that the Science Council's minimum reserves should not fall below £200,000 but that the trigger for review of expenditure and commitments would be reserves at £250,000. From April 2011 the Board kept the financial position closely under review following the reduction in the reserves and financial planning for the future includes a commitment to rebuild the reserves.

Risk Review

The Trustees maintain a comprehensive risk register covering all recommended areas including mission, governance, laws and regulation, reputation, income generation, IT and communications, staffing and internal issues and financial risks. During 2011 the Risk Register was reviewed and assessed by the Audit and Risk Committee against impact and likelihood criteria and the Registration Authority reviewed registration activities. The review process is ongoing and the Audit and Risk Committee reports regularly to the Board on areas of high and significant risk, enabling the Trustees to keep these under consideration, both for oversight of current activities and planning for the future.

Human Resources

The Board has established an informal sub-committee of the Board to oversee human resource issues. The sub-committee is chaired by Keith Read as vice-chair of the Board and has met as necessary during the year to review salaries and some restructuring of roles and recruitment. Other members are the President, Honorary Treasurer and chairs of both the Audit and Risk and Nominations sub-committees.

REPORT ON ACTIVITIES

OBJECTIVES FOR PUBLIC BENEFIT

The Science Council works to provide public benefit by:

- creating a forum that brings together learned societies and professional bodies in science and its applications;
- increasing the effectiveness and impact of member bodies on science and its applications by encouraging the sharing of good practice; in working together to maintain and support high standards in the quality of education in both core and applied STEM disciplines; and in enabling and supporting disciplines and professions to respond to new knowledge and challenges;
- fostering inter-disciplinary partnership and collaboration in science to address some of the key challenges facing today's society;
- providing a point of contact with others including the technology, engineering, mathematics and medical communities;
- working across disciplines and in collaboration with member bodies to provide informed and expert advocacy on a wide range of policy issues that impact on the advancement of science and its applications, including consultations undertaken by government departments, parliaments and assemblies;
- by advancing professionalism in science through a register of Chartered Scientists who meet high standards of competence and follow an established code of conduct and continuing professional development that contributes to society's safety in the effective application of science; and
- furthering the creation of better health, sustainable societies and wealth by encouraging the study and pursuit of science and its applications by society and by individuals; raising awareness of the profession of scientist and their roles in society; fostering increased take up of STEM qualifications post 16 both vocational and academic; and providing high quality information for students about career opportunities available to those with STEM qualifications.

MEMBER ORGANISATIONS

During the year amendments were agreed to the Regulations setting out the criteria for membership of the Science Council. The amended criteria are as follows:

- the profession represented by the Organisation shall be based on a recognised body of scientific learning where knowledge and understanding of the natural and social world are pursued through a systematic methodology based on evidence;
- the Organisation is an independent body which exists for the collective pursuit of professional aims and objectives in science as set out in a Royal Charter or Memorandum and Articles of Association incorporated under the Companies Acts or formally registered in the UK some other way;
- the Organisation has, among its objectives, the practice of the profession in the interest of the public as well as that of its members;
- admission to full membership of the Organisation shall be based on standards of competence as attested by an appropriate qualification, as well as relevant professional practice. If an Organisation does not have strict entry standards for its members it must be able to demonstrate that the majority of its members are so qualified;
- the Organisation recognises its responsibility to advance and extend the body of learning on which the profession is based, and
- the Organisation recognises its responsibility to concern itself with facilities, methods and provision for educating and training future entrants to the profession and for enhancing the knowledge of present practitioners.

SUBSCRIPTIONS

Member bodies pay an annual subscription to the Science Council. The subscription rate in 2011 was £0.686p (2010: £0.655p) per qualifying individual member. The maximum subscription is capped at 30,000 qualifying individual members and the minimum subscription is £750.

In 2011 one organisation paid the capped subscription of £20,580 and eight member bodies paid the subscription at the minimum level.

During the year four organisations joined the Science Council bringing the total number of member bodies to 35. Current member bodies are:

- Association for Clinical Biochemistry
- Association of Neurophysiological Scientists
- Association for Science Education
- British Academy of Audiology (new member)
- BCS, The Chartered Institute for IT
- British Psychological Society
- British Society of Soil Science
- Chartered Institute of Water and Environmental Management
- Energy Institute
- Geological Society of London
- Institute of Biomedical Science
- Institute of Brewing and Distilling
- Institute of Clinical Research
- Institute of Corrosion
- Institute of Food Science and Technology
- Institute of Marine Engineering, Science and Technology
- Institute of Materials, Minerals and Mining
- Institute of Mathematics and its Applications
- Institute of Measurement and Control (new member)
- Institute of Physics
- Institute of Physics and Engineering in Medicine
- Institution of Chemical Engineers
- Institution of Environmental Sciences
- London Mathematical Society
- Mineralogical Society
- Nuclear Institute
- Oil and Colour Chemists' Association
- Royal Astronomical Society
- Royal Meteorological Society
- Royal Society of Chemistry
- Royal Statistical Society
- Society for General Microbiology
- Society of Biology
- Society of Cardiological Science and Technology (new member)
- Society of Dyers and Colourists

FULL COUNCIL AND GENERAL MEETINGS

The Member Bodies met as the Full Council three times during the year including the Annual General Meeting in June 2011. All Member Bodies are entitled to send two representatives to General Meetings/Council. Chi Onwurah, Opposition spokesperson for Science and Innovation, spoke at the AGM in June. Also in June a reception was held to mark the retirement of Sir Tom McKillop as President and to introduce Sir Tom Blundell as the new President.

BUSINESS PLAN

The Board worked to its Business Plan for 2010-2012 and began a review of the strategy for 2012-2017. During this period the three strategic priorities were to:

- Influence UK science policy and strategy.
- Advance professionalism in science.
- Promote enhancement in the level and quality of scientific education, knowledge and skills in the UK.

PROJECTS AND ACTIVITIES 2011

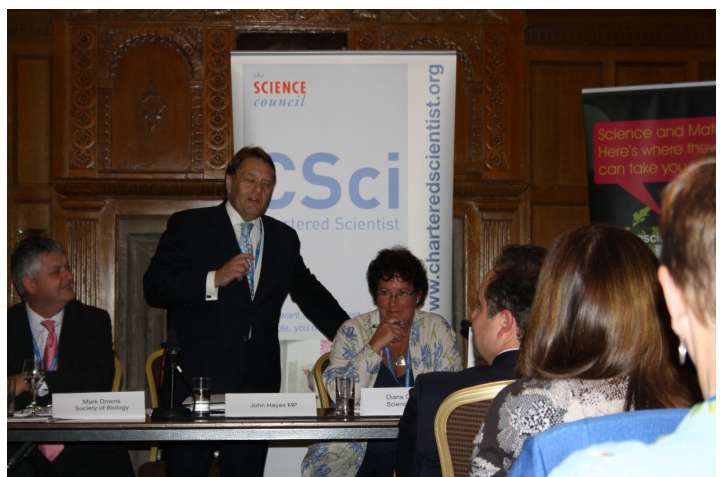
Science Policy

The Science Council statement on Priorities for Science and Innovation Policy 2010-2015 which was agreed with Member Bodies early in 2010 provides the overarching framework for the Science Council's advocacy activities. The Science Council responded to a number of policy consultations during the year, including: the House of Lords Science & Technology Committee: HE in STEM subjects; House of Commons Science & Technology Committee: Practical experiments in school science lessons and science field trips; Department for Education: National Curriculum Review; Royal Society of Edinburgh: Lifting Barriers to Women in STEM, and Sir Tim Wilson's Review of University/Business Collaborations.

As part of the Science Council's role to support Member Bodies to increase their effectiveness and impact in public affairs, Oliver O'Hanlon (Policy and Administration Executive) continued to provide regular e-briefings for Member Bodies alerting them to relevant policy consultations and other activities and events. Member Bodies have valued this service and increasing awareness of the opportunities for policy advocacy has also increased the level of engagement with the Science Council's own policy activities.

The Policy Portal on the Science Council website was updated in 2011 with new content, links to relevant documents and information, with additional policy areas such as Biofuels, Carbon Capture and Storage, and Genetically Modified Organisms added to reflect the increasing breadth and interest of Science Council Member Bodies. An 'Open Public Consultations' webpage was also created to provide a consolidated list of all open public consultations relating to the interests of the Science Council and Member Bodies.

For the first time in 2011 the Science Council participated in the political party conferences and organised fringe events at the Liberal, Labour and Conservative Party Conferences. In collaboration with Member Bodies the Science Council hosted the panel discussions and addressed the issue of science skills for the 21st Century. Diana Garnham chaired the meetings and panel speakers were drawn from project partner Member Bodies (Royal Society of Chemistry, Society of Biology, Institute of Food Science and Technology, Institution of Environmental Science). Also appearing on the panel for their respective parties were the Conservative Minister for Further Education and Skills, John Hayes MP; Labour Party Shadow Science Minister, Chi Onwurah MP; and Liberal Democrat Peer Baroness Sharp of Guildford. The events were generally well attended and positive feedback was received from panel members and from attendees. The Board has agreed that the Science Council should repeat the project for 2012.



Education policy

Education policy remains a key area of interest for the Science Council. The SCORE partnership changed its modus operandi to focus on schools policy for the core sciences and the Science Council ceased to be a partner. Given the high priority level of interest in this area from Member Bodies the Science Council Board agreed to trial a more flexible model with a programme of Education Forum meetings led by an organising committee. This approach aims to provide opportunities for a greater number of member bodies to engage with education policy issues as and when it is appropriate for them to do so and the programme of work will also reflect the breadth of interest across the sciences from primary, secondary through to tertiary and vocational education.

The Science Council input to a number of consultations on key education policy issues including the National Curriculum Review, the House of Commons inquiry into practical work in schools, the House of Lords inquiry looking at STEM higher education and the Wilson review on the interaction between business and universities. The development of the new levels of professional registration has highlighted the importance of vocational and technical education; a workshop to inform this area of work was organised in November 2011.

The Science Council continues to engage with the education work of the wider STEM community supporting projects through providing expertise on advisory groups for organisations such as the National STEM Centre and the ESRC's Targeted Initiative on Science and Mathematics Education research projects. The Science Council was also invited to become a member of the Joint Ministerial Committee on STEM Education.

Advancing Professionalism in Science

The register of Chartered Scientists (CSci) is central to the Science Council's activities to advance professionalism in science and CSci provides a single chartered mark for all scientists, recognising high levels of professionalism and competence in science. The designation is an assurance that an individual is practising at the forefront of their profession and remains competent throughout their professional career. Individuals must show evidence of continued competence throughout their working lives in order to revalidate their award to remain on the register.

By 2012, all Chartered Scientists will need to declare on an annual basis that they continue to meet the CSci CPD standards, with Licensed Bodies auditing at least 2.5% of their registrants' CPD records annually. Support and training for Licensed Bodies continued throughout the year via the CPD Learning Group, further training for assessors and the second annual workshop on CPD monitoring. 2011 saw a 5% decrease in registrant numbers which was primarily an impact of the second year of CPD monitoring by Licensed Bodies. At the year end there were over 12,000 Chartered Scientists, including just under 200 Chartered Science Teachers, on the register.

The Register of Chartered Scientists (CSci) and Chartered Science Teachers (CSciTeach) is publicly available on the new www.charteredscientist.org website and individuals can be searched by name or unique registrant number.

The Board is advised on matters relating to the Chartered Scientist Register by a Registration Authority. The Registration Authority (RA) is responsible for upholding the standards of the Chartered Scientist designation. Its membership comprises of elected individuals nominated by the Licensed Bodies and appointed experts from other areas. It meets four times a year, reporting to the Science Council Board, and is chaired by Dr Bob Chaplow. During 2011, Rosemary Butler and Adrian Bodimeade retired from the RA, with Trish Hall and Sarah May joining the Authority as observers. 14 licence application and review visits were conducted during the year.

Registration Authority Membership:

Dr Bob Chaplow CSci (Chair)
Jennifer Blumhof CSci
Rosemary Butler (until June 2011)
Jane Emery
Dr Charles Evans
Elizabeth Friend
Trevor Holme CSci
Alan Harper CSci
Professor Peter Sharp CSci
Adrian Bodimeade (Observer, Engineering Council – until October 2011)
Trish Hall (Observer, Society for the Environment – from June 2011)
Sarah May

The Science Council grants licences to Professional Bodies within its membership to award the Chartered Scientist designation on its behalf to their own individual members. Three new licences were awarded in 2011: Association for Neurophysiological Scientists, Institute of Brewing and Distilling, and Mineralogical Society. ANS became the first body to apply through the cluster route which will enable it to work with other professional bodies in clinical physiology to award CSci through a shared process.

Licensed bodies pay an annual fee to the Science Council of £1,000. The annual registrant fee for individual Chartered Scientists in 2011 was £15, with the Board agreeing an increase to £20 from 2012.

At the end of December 2011 there were 25 Licensed Bodies:

Association for Clinical Biochemistry
Association of Neurophysiological Scientists
Association for Science Education (Licensed to award CSci Teach)
British Computer Society
British Psychological Society
British Society of Soil Science
Chartered Institution of Water and Environmental Management
Energy Institute
Geological Society of London
Institute of Biomedical Science
Institute of Brewing and Distilling Institute of Clinical Research
Institute of Corrosion
Institute of Food Science and Technology
Institute of Marine Engineering Science and Technology
Institute of Materials Minerals and Mining
Institute of Mathematics and its Applications
Institute of Physics and Engineering in Medicine
Institution of Chemical Engineers
Institution of Environmental Sciences
Mineralogical Society
Nuclear Institute
Oil and Colour Chemists Association
Royal Statistical Society
Royal Society of Chemistry

The Registration Authority is monitoring the delivery of a marketing and promotion plan for Chartered Scientist and as funding allows the Science Council team are delivering a varied programme of activities. In 2011, these included attendance at a number of events including the Nature Jobs Careers Expo, UCLs Science Careers Day and the Scottish Healthcare Science Conference. A regular e-newsletter for registrants was launched in December with a networking group for existing and prospective Chartered Scientists set up on LinkedIn.

Through the Registration Authority, the Science Council set up and launched a pilot employer CPD approval scheme with the first award being made to the Nuclear Decommissioning Authority's Radioactive Waste Management Directorate in October.

The Science Council continued to participate actively in the Inter-Professional CPD Forum and the UK Inter-Professional group, and to serve as an observer on the Engineering Council's Quality Assurance Committee. It was also invited to be an observer on the Registration Authority of the Society for the Environment.

New professional registers

The Science Council is committed to raising the professional standing of all those working to advance science and its applications, and ensuring opportunities for further training and professional development at every level. During 2011 it continued to develop new professional registers for science technicians and scientists working at an intermediate level through its New Registers Advisory Group, supported by a grant from the Gatsby Charitable Foundation.

UK Science Workforce



Two research reports were commissioned to inform the development of the new registers. The first considered the scope and features of the [UK science workforce](#) by examining the roles undertaken across core science, science-related and non-science sectors, finding there to be a total of 5.8 million people working in science-based roles across the UK. The research was a starting point in providing greater depth of data on the size, shape, distribution and qualifications of the UK science workforce today as well as giving some projections of future changes. For the first time the research methodology took into account the complexities of today's science workforce, both in science and from science examining the workforce across the entire economy, rather than looking at total employees within science based industries and was able to identify the science workforce in employment sectors as diverse as health and social care, education, food and farming, communications, finance, retail and public sector services.

The second research report focused on the professional development needs of technicians and their employers, and their attitudes towards professional body membership and registration. The research showed significant levels of support for a professional register but an understanding that it would need to benefit individuals and their employers as well as the public.



Following a consultation with professional bodies, employers and education and training providers, the Science Council agreed the standards for the **Registered Science Technician (RSciTech)** and **Registered Scientist (RSci)** registers, based on a combination of underpinning scientific knowledge, competence developed in the workplace, and commitment to high standards of professionalism. It approved applications from seven of its member bodies to pilot the new registers through 2012. The pilot bodies were agreed as the Association for Science Education, Institute of Biomedical Science, Institute of Food Science and Technology, Institute of Physics and Engineering in Medicine, Institution of Chemical Engineers, Royal Society of Chemistry and Society of Biology. The new registers were announced by the Minister for Universities and Science, David Willetts, at the Science Council's Roberts Policy Lecture in October, with the first awards set to be made in early 2012. The Science Council also continued to serve on the Technician Council, which was established in 2010 to take forward the recommendations of the Government White Paper, Skills for Growth.

Member support and networking

Member organisations value opportunities to come together to discuss issues of common concern and to share good practice and there have been many opportunities for members to come together during the year. For example, two meetings of the informal CEO Forum, a significant number of project and activity related meetings around education or the new registers, careers from science as well as smaller group meetings on policy issues and consultations. The formal Council meetings also included informal networking lunches either before or after the formal business. In addition, a first 'benchmarking' survey was undertaken to collect information on membership numbers, subscription costs, categories of membership and diversity. Diana Garnham is leading a project exploring how to grow professional body membership and the services that are most likely to serve and attract different audiences.

Employers Forum

The Board has identified a need for a greater level of employer engagement in the Science Council's activities and has established an Employers Forum to improve dialogue. The first Forum was hosted in March 2011 on the subject of Sustaining UK Science Skills. 50 key science employers and other stakeholders attended the meeting which discussed the results of the UK science workforce research and the value of professional registers, including the potential for a register of science technicians. Lord Sainsbury of Turville, the guest speaker, spoke about the importance of the technician workforce to UK science and innovation. Alongside the Forum an employers' reference group of over 200 organisations has been set up to input to the development of the new professional registers and other Science Council activities, including workforce research, CPD and careers.

Sector Skills Round Table

In July the Science Council hosted a round table discussion for sector skills councils with a science interest. The meeting was attended by representatives from nine sector skills councils and explored the development of the new professional registers and related issues. The Board is considering how the Science Council can work effectively in partnership with the skills sectors which currently are undergoing a significant level of change.

Access to the Professions

The Science Council contributed to the development of a Social Mobility Toolkit being developed by a group of professional bodies and Alistair Orr and Nicola Hannam continued as members of the working sub-groups of Access to the Professions.



Careers from Science

The Future Morph careers web site remains a key project for the Science Council. An editorial group has been established to guide the content and development of the Future Morph careers web site. There is a continuing commitment for the web site to be informed by the intended audiences and more than a dozen focus groups were undertaken with young people to assess their views on the website and proposed new content. Member Bodies and others continue to provide content and case studies to keep the site fresh and in addition a series of new pages build on young people's existing experiences of science by showing where school science subjects can lead. A competition for school pupils led to the filming of a 15 year old girl interviewing a clinical perfusionist at Trent Cardiac Centre to form part of the Beyond Medicine theme which highlights the options beyond becoming a doctor.

Strategic partnerships continue to play a major role in raising awareness of Future Morph. Key examples of this are the work with Engineering UK to design and deliver the careers programme for the Big Bang Fair, which included developing the Future Morph Careers Quest in a form to be adaptable for other events; and working with the British Science Association to release a careers focused National Science and Engineering Week activity pack. Other activities aimed at promoting Future Morph have included participation in various careers fairs and sessions for teachers. The Future Morph Twitter account has quickly grown to acquire over 750 followers and is proving an effective way to reach others running projects and to initiate partnerships.

Orange Do Some Good App



The Science Council won a competition to partner Orange in a mobile volunteering app which went live in April 2011. By the end of 2011 over 5,000 science questions had been submitted by the public to the Future Morph Hidden Science section of the app. Working with Orange provided invaluable profile for Future Morph and insight into the science interests of the general public. Parents and carers remain an elusive audience but the results of an exploratory small-scale survey run with the assistance of the Family Lives charity will help to guide future work (this was part of the BIS Science for Careers ongoing work).

A number of measures have sought to secure a sustainable future for the website with a review of potential funding sources being undertaken and the new content themes, such as food and sport, being positioned to provide discrete sponsorship opportunities. A collaboration with the National STEM Centre to take forward areas of Sir John Holman's STEM Careers Review has secured funding from the Gatsby Charitable Foundation which will enable a number of areas of work, including a design refresh and hosting move for Future Morph, along with the development of materials on vocational and applied routes.

The Science Council continues to support best practice through providing ad hoc advice and working with Engineering UK to establish an online network for careers information providers, ensuring the continuation of previous networks with the support of the National STEM Centre resources.

Big Bang Fair

The Big Bang Fair took place on 10-12th March 2011 at London Excel. The Science Council once again organised a collaborative project around a single two sided stand in which 10 Member Bodies participated. The stand, situated to link two zones, Body Talk or Go Global, aimed to inspire 11 to 19-year-olds to consider the STEM behind global issues in everyday objects and to think further about possible science careers. Partner organisations for the activities were the Association for Clinical Biochemistry; British Psychological Society; Chartered Institution of Water and Environmental Management; Geological Society; Institute of Biomedical Science; Institute of Food Science and Technology; Institute of Physics; Society of General Microbiology; Society for the Environment and the Society of Dyers and Colourists. These organisations also provided volunteers for the activities.

On the Body Talk side of the stand there was a very popular sit-down DNA bracelet making activity which gave students and volunteers a chance to engage in a discussion about DNA, the jobs of the volunteers and attitudes towards science careers. On the Go Global side, students enjoyed the seismometer (the Japanese earthquake had just taken place), some colour psychology tests and an environmental activity keeping the volunteers very busy answering questions about both the science and their careers.



Science Council Chief Executive Diana Garnham chaired the Science for Careers Expert Group for the Department of Business Innovation and Skills (BIS) which published its report in March 2010. The report drew strongly from the thinking behind Careers from Science and Future Morph and set out more than 50 actions. In July 2010 the Science Council was awarded a grant from BIS to take forward a number of pilot projects including some research projects, work with parents and a conference on STEM careers messaging. These projects were largely undertaken during 2011, including:

Science for Careers Conference

This one-day conference was held at the National STEM Centre York on 23rd February 2011 and attended by 100 people involved in STEM careers policy development, STEM careers awareness and the provision of information about STEM career opportunities. It provided an opportunity to hear about progress on the Science for Careers Expert Group Action Plan and to debate priorities for the future. The conference covered careers awareness and information for all ages, including HE and life-long learning.

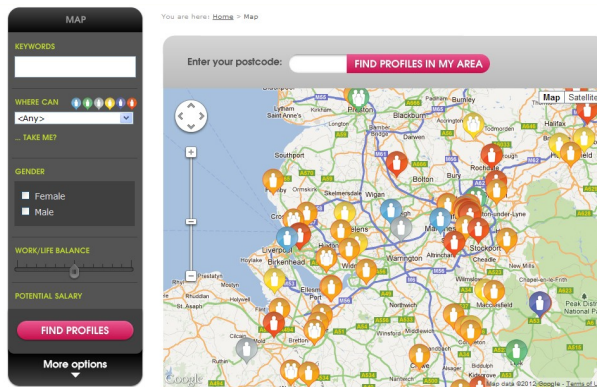
Exploring the range of role models and case studies in STEM careers

This project investigated the range and type of role models and case studies already available to promote STEM subjects and careers to young people. Dr Pat Morton of the Centre for Science Education, Sheffield Hallam University then assessed these resources using the new IAG Standards framework for evaluating existing resources against extracted and cross-referenced standards. The report contains a list of 25 excellent exemplar role models/case studies for organisations to draw on for good practice and a series of recommendations.

Exploring the demand and availability of STEM work experience and placements

The Science Council commissioned a report into the demand for science and engineering work experience and sandwich year placements. The Expert Group had discussed the reported concerns from employers and others that graduates lack practical skills and an awareness of the workplace and had a low awareness of the variety of different science and engineering careers. The report was written by Robin Mellors-Bourne, Careers Research & Advisory Centre (CRAC) and draws on data from several recent studies.

The Hidden Science Map



This project arose directly from the Expert Group's concern that many people had a narrow view of the sorts of careers which use science and mathematics and many had the impression that there were no science jobs in their locality. The emphasis on 'hidden' science was to draw attention to those science jobs, including engineering and technology, that young people would not automatically include in their vision of a science career and to include health, regulators, consultants, R&D, development and manufacturing.

Developed as a pilot, the map tested whether grouping case studies geographically could provide a useful tool for schools and others exploring career options with young people,

addressing simultaneously the need to broaden the range of case studies with raising the profile of scientists working more locally and beyond academia. Based on the Google Map of the UK (and the rest of the world) the map was pinned with science people, organisations, and large team photos. During the pilot six months nearly 1500 profiles were added to the map. The Science Council has received very positive feedback for the concept with interest from overseas, including the US. The next stage will be to explore whether the project could be developed further and perhaps linked to local LMI on careers and opportunities.

Roberts Lecture

The Third Science Council Roberts Lecture was given by David Willetts, MP, Minister for Universities and Science on 19th October 2011 at the Royal Society of Medicine. The Minister spoke to a capacity audience of 240 about the importance of science to the UK economy and the occasion was also the launch event for the Science Council's new register for professional technicians. The lecture was followed by a reception and the podcast was released less than 24 hours after the event. In a link up with the London Science Festival, the lecture was also a launch event for the 2011 festival.



Partnership activities

During the year the Science Council has worked with potential partner organisations around a number of different projects including the Big Bang Fair, diversity in the science and engineering workforce (RAEng) the Engineering Council on the professional registration of technicians; the National STEM Centre on web-based careers resources and the London Science Festival (for the Roberts Lecture).

In addition, the Science Council was a partner with TBR in successful bids to undertake two research projects. The first project was funded by Chwarae Teg (supported by the European Social Fund and Welsh Government) and explored why many women and girls do not progress in STEM (science, technology, engineering and mathematics) careers in Wales, what the key issues are and recommendations on how to overcome any barriers identified. The second project is part of the European ChemClust programme and funded by Tees Valley Unlimited and West Cheshire and Chester Council (Cheshire West) to undertake a study of future skills needs in the chemicals sector as part of the Europe-wide ChemClust programme. For both projects the Science Council's area of work has been careers awareness and information.

Science Council Membership/Participation in National Committees and Events

ASE/National Science Learning Centre CPD Accreditation Strategy Board
Astra Zeneca Science Education Forum
Big Bang Fair CIC (Diana Garnham is a Board Director)
BIS/DfE Joint Ministerial Group on STEM
BCS Engineering and Science Board (observer)
Engineering Council QA Committee (observer)
EngineeringUK Careers Advisory Panel
Department for Education STEM Programme Action Programme 8, Stakeholder Advisory Group
Department for Business Innovation and Skills Science for Careers Expert Group
Foundation for Science and Technology - Council
Institute of Careers Guidance Education Committee
Inter-professional CPD Forum
National STEM Centre Advisory Group
UK Inter Professional Group
Parliamentary Science and Technology Committee
Science for All Follow Up Group
Technician Council
TISME Advisory Committee (ESRC Education Research)
UK Accreditation Service, Member

Science Council Staff

Tamasin Barnbrook	Member Projects Manager (part-time)
Diana Garnham	Chief Executive and Registrar
Oliver O'Hanlon	Policy and Administration Executive
Nicola Hannam	Director, Education and Skills
Holly Margerison	Careers from Science Manager
Alisdair Orr	Deputy Registrar
William Ravis	Registration Executive

The Science Council has a policy of supporting work experience as far as capacity and resources allow. During the year several short term intern positions were offered in addition to one school student work experience. Interns contributed substantially to the work of the Science for Careers Expert Group follow on activities, particularly the conference.

STATEMENT OF TRUSTEES' RESPONSIBILITIES

The Trustees are responsible for preparing the Trustees' Report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England and Wales requires the Trustees to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the Charity and of the incoming resources and application of resources of the Charity for that period. In preparing these financial statements, the Trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Charity will continue in business.

The Trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the Charity and enable them to ensure that the financial statements comply with the Charities Act 2011, the Charity (Accounts and Reports) Regulations 2008 and the provisions of the Royal Charter. They are also responsible for safeguarding the assets of the Charity and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The Trustees are responsible for the maintenance and integrity of the Charity and financial information included on the Charity's website. Legislation in the United Kingdom governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

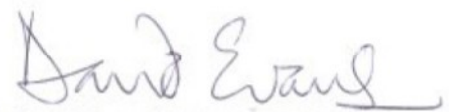
AUDITORS

Littlejohn LLP continued as the Science Council auditors and has signified its willingness to continue in office as auditors.

On behalf of the Board



Sir Tom Blundell
President



Dr David Evans
Treasurer

Date: 24th April 2012

Independent Auditor's Report to the Trustees of the Science Council

We have audited the Financial Statements of the Science Council for the year ended 31 December 2011 which comprise the Statement of Financial Activities, the Balance Sheet and the related notes. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

This report is made solely to the Trustees, as a body, in accordance with the Charities Act 2011. Our audit work has been undertaken so that we might state to the Trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Council and the Trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Respective responsibilities of Trustees and Auditor

As explained more fully in the Trustees' Responsibilities Statement set out on page 14, the Trustees are responsible for the preparation of Financial Statements which give a true and fair view.

We have been appointed as auditor under Section 144 of the Charities Act 2011 and report in accordance with regulations made under Section 154 of that Act. Our responsibility is to audit and express an opinion on the Financial Statements in accordance with applicable law and International Standards on Auditing (UK and Ireland). Those standards require us to comply with the Auditing Practices Board's (APB's) Ethical Standards for Auditors.

Scope of the Audit of the Financial Statements

An audit involves obtaining evidence about the amounts and disclosures in the Financial Statements sufficient to give reasonable assurance that the Financial Statements are free from material misstatement, whether caused by fraud or error. This includes an assessment of: whether the accounting policies are appropriate to the Charity's circumstances and have been consistently applied and adequately disclosed; the reasonableness of significant accounting estimates made by the Trustees; and the overall presentation of the Financial Statements. In addition, we read all the financial and non-financial information in the annual report to identify material inconsistencies with the audited Financial Statements. If we become aware of any apparent material misstatements or inconsistencies we consider the implications for our report.

Opinion on Financial Statements

In our opinion, the Financial Statements:

- give a true and fair view of the state of the Charity's affairs as at 31 December 2011 and of its incoming resources and application of resources, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Matters on which we are required to Report by Exception

We have nothing to report in respect of the following matters where the Charities Act 2011 requires us to report to you if, in our opinion:

- the information given in the Trustees' Annual Report is inconsistent in any material respect with the Financial Statements; or
- sufficient accounting records have not been kept; or
- the Financial Statements are not in agreement with the accounting records and returns; or we have not received all the information and explanations we require for our audit.

**Littlejohn LLP
Statutory Auditor**

3rd May 2012

1 Westferry Circus
Canary Wharf
London E14 4HD

Littlejohn LLP is eligible to act as an auditor in terms of Section 1212 of the Companies Act 2006.

**THE SCIENCE COUNCIL
STATEMENT OF FINANCIAL ACTIVITIES
(INCORPORATING AN INCOME AND EXPENDITURE ACCOUNT)
FOR THE YEAR ENDED 31ST DECEMBER 2011**



	Notes	Restricted Funds £	Unrestricted Funds £	2011 Total £	2010 Total £
INCOMING RESOURCES					
Members Subscriptions		-	147,226	147,226	146,374
Chartered Scientist Licence and Registrant Fees		-	208,983	208,983	209,735
Grants / Donations / Contracts	3	190,473	33,465	223,938	146,384
Sundry Income		3,168	-	3,168	1,091
		193,641	389,674	583,315	503,584
<i>Incoming resources from generated funds</i>					
Bank Interest		-	102	102	160
Total Incoming Resources		193,641	389,776	583,417	503,744
RESOURCES EXPENDED					
Chartered Scientist and Professions		-	110,786	110,786	93,510
Science Policy and Representation		-	85,756	85,756	88,155
Membership support and activities		-	75,214	75,214	87,024
Special projects		176,213	40,483	216,696	121,764
Careers from Science		17,428	107,459	124,887	123,093
Governance Costs		-	17,36	17,316	15,825
Total Resources Expended	4	193,641	437,014	630,655	529,371
Net movement in funds for the year		-	(47,239)	(47,239)	(25,627)
Exceptional item	5	-	(31,525)	(31,525)	-
Net movement after exceptional item		-	(78,764)	(78,764)	(25,627)
Total funds brought forward 1 January 2011		12,000	287,849	299,849	325,476
Total funds carried forward 31 December 2011		12,000	209,085	221,085	299,849

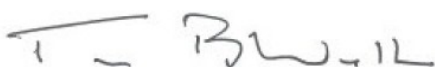
There were no recognised gains and losses other than those shown above in the Statement of Financial Activities.
The results from the above financial years derive from continuing operations.

The accounting policies and notes on pages 18 to 22 form part of these financial statements.

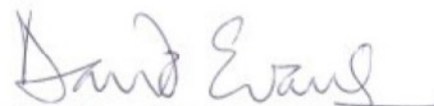
THE SCIENCE COUNCIL
BALANCE SHEET AS AT 31ST DECEMBER 2011

		2011		2010	
		£	£	£	£
FIXED ASSETS					
Tangible assets	8		8,537		1,358
CURRENT ASSETS					
Debtors	9	114,657		170,717	
Cash at bank and in hand		155,705		204,258	
		<u>270,362</u>		<u>374,975</u>	
CREDITORS					
Amount falling due within one year	10	57,814		76,484	
		<u>57,814</u>		<u>76,484</u>	
NET CURRENT ASSETS			212,548		298,491
TOTAL ASSETS LESS CURRENT LIABILITIES			<u>221,085</u>		<u>299,849</u>
REPRESENTED BY:					
Accumulated Funds					
Unrestricted funds	12		209,085		287,849
Restricted funds	13		12,000		12,000
			<u>221,085</u>		<u>299,849</u>

These financial statements were approved by the Board members on 24th April 2012 and were signed on their behalf by:



Sir Tom Blundell, President



Dr David Evans, Honorary Treasurer

The accounting policies and notes on pages 18 to 22 form part of these financial statements.

1. COUNCIL STATUS

A Royal Charter was granted to the Science Council (the Council) on 12th June 2003 and was signed and sealed on 14th October 2003. Following a review an amended Charter received Privy Council seal on 10th December 2008. The Science Council registered as a charity with the Charity Commission in England in September 2009.

2. ACCOUNTING POLICIES

The Financial Statements have been prepared under the historical cost convention and applicable Accounting and Financial Reporting Standards. The Financial Statements have been prepared in accordance with the Statement of Recommended Practice (SORP) "Accounting and Reporting by Charities: Statement of Recommended Practice" published in March 2005 and applicable Financial Reporting Standards.

Fixed Assets

Fixed assets with a cost of £250 and/or those purchased in relation to a fixed term project, are written off. All other fixed assets are capitalised and depreciated to write off the cost of the asset, less any residual value, over its useful economic life. Web site development costs are written off in the year in which they are incurred.

Provision is made for depreciation on the following bases:

Computer equipment	33% straight line
Office equipment	25% straight line

CASH FLOW

The Financial Statements do not include a cash flow statement because the Council, as a small reporting entity, is exempt from the requirement to prepare such a statement under the Financial Reporting Standard 1.

TAXATION

The Council has been granted charitable status for tax purposes with effect from 10 February 2004, therefore there is no Corporation tax liability on surpluses arising or investment income. The Council is not registered for Value Added Tax and is therefore unable to recover input tax on its costs.

FUND ACCOUNTING

Unrestricted funds are available for use at the discretion of the Board members in furtherance of the general activities of the organisation and which have not been designated for other purposes. Where a donor has specified a particular purpose for a grant or donation, the income is shown as restricted income in the Statement of Financial Activities. Any such income unexpended at the year end is shown as a restricted fund in the balance sheet.

INCOMING RESOURCES

All incoming resources are recognised by the Council during the year when the criteria of entitlement, certainty of receipt and ability to be measured have been met.

RESOURCES EXPENDED

Expenditure is accounted for on the accruals basis. Direct costs comprise costs that are wholly attributable to that activity; support costs are apportioned to activities on the basis of analysis of staff time. Governance costs are those associated with the running of the Council itself and the review of the Charter, Bylaws and Regulations undertaken during the year.

PENSION SCHEME

The Council does not maintain a staff pension scheme but, instead, contributes to individual staff personal pension plans.

GIFTS IN KIND

Gifts in kind received towards projects and activities are included as grant income (Note 3). The total value of such gifts during the year was £21,840 (2010:£30,715).

**THE SCIENCE COUNCIL
NOTES TO THE FINANCIAL STATEMENTS (CONT)
FOR THE YEAR TO 31ST DECEMBER 2011**

3. CONTRACT, GRANT INCOME AND GIFTS IN KIND	Total 2011	Total 2010
	£	£
Contracts, grants and gifts comprise:		
Association for Clinical Biochemistry	700	-
British Psychological Society	-	5,750
Department for Business Innovation and Skills	66,848	24,050
Energy Institute	-	750
Engineering UK	-	3,459
Gatsby Charitable Trust	109,365	59,800
The Geological Society	3,400	4,150
Institute of Biomedical Science	2,400	2,650
Institute of Corrosion	310	310
Institution of Environmental Science	300	-
Institute of Food Science and Technology	1,950	1,700
Institute of Physics	5,000	6,000
Institute of Physics & Engineering in Medicine	-	1,600
Institute of Professional Soil Scientists	500	-
Royal Astronomical Society	950	950
Royal Meteorological Society	-	750
Royal Society of Chemistry	1,190	-
Royal Statistical Society	960	-
Society of Biology	2,160	-
Society for the Environment	750	750
Society for General Microbiology	2,750	3,000
Trends Business Research	2,565	-
Gifts in kind	21,840	30,715
	£223,938	£146,384

THE SCIENCE COUNCIL
NOTES TO THE FINANCIAL STATEMENTS (CONT)
FOR THE YEAR TO 31ST DECEMBER 2011

4. RESOURCES EXPENDED

a) Analysis of total resources expended

	Direct	Support	Total	Total
	Costs	Costs	2011	2010
	£	£	£	£
Activities				
Chartered Scientist & Professions	28,925	81,861	110,786	93,510
Science Policy and Representation	6,756	79,000	85,756	88,155
Membership support and activities	10,521	64,693	75,214	87,024
Special projects	125,463	91,233	216,696	121,764
Careers from Science	42,860	82,027	124,887	123,093
	214,525	398,814	613,339	513,546
Governance costs	5,279	12,037	17,316	15,825
Total resources expended	£219,804	£410,851	£630,655	£529,371

Total resources expended 2010

£168,641 £360,830 £529,371

b) Analysis of support costs

	Total	Total
	2011	2010
	£	£
Staff Costs	340,631	287,862
Premises Costs	40,750	40,750
Office and Administration costs	21,270	20,635
Professional fees	6,462	9,765
Depreciation	1,738	1,818
	£410,851	£360,830

c) Governance costs

	Total	Total
	2011	2010
	£	£
Audit Fees	4,500	5,253
Meeting and other costs	729	588
Staff costs	12,037	9,886
Legal and Professional costs	50	-
	£15,825	£13,986

5. EXCEPTIONAL ITEM

This arises following an agreement to amend and backdate the basis on which certain organisation's subscriptions are charged.

6. REMUNERATION AND EXPENSES OF TRUSTEES

The Trustees receive no remuneration for carrying out their duties. £438 (2010: £224) was paid to three Trustees for travel expenses incurred in relation to attendance at meetings.

7. STAFF COSTS

	Total 2011	<i>Total 2010</i>
	£	£
Wages and salaries	283,370	242,445
Social Security Costs	30,953	26,347
Other Pension Costs	22,355	13,451
Staff training	3,953	1,149
Recruitment	-	4,470
	<u>£340,631</u>	<u>£287,862</u>

2011	<i>2010</i>
Number	<i>Number</i>

The average number of employees

7	6
---	---

One member of staff received emoluments in the year in the following band:

£90,999 - £99,999

Expenditure includes:

	2011	<i>2010</i>
Auditors' remuneration: current year	£4,500	£4,920
Auditors' remuneration: prior year under accrual	-	£333
Trustees' expenses	£438	£224

THE SCIENCE COUNCIL
 NOTES TO THE FINANCIAL STATEMENTS (CONT)
 FOR THE YEAR TO 31ST DECEMBER 2011

8. TANGIBLE ASSETS

	Office Equipment £	Computer Equipment £	TOTAL £
Cost			
1 January 2011	6,834	7,270	14,104
Additions	999	7,918	8,917
31 December 2011	<u>7,833</u>	<u>15,188</u>	<u>23,021</u>
Depreciation			
1 January 2011	5,573	7,173	12,746
Charge for year	1,162	576	1,738
31 December 2011	<u>6,735</u>	<u>7,749</u>	<u>14,484</u>
Net Book Value			
31 December 2011	<u>£1,098</u>	<u>£7,439</u>	<u>£8,537</u>
31 December 2010	<u>£1,261</u>	<u>£97</u>	<u>£1,358</u>

9. DEBTORS

	2011 £	2010 £
Debtors (subscriptions and CSci registration)	30,884	132,980
Other debtors	62,287	15,715
Prepayments and accrued income	21,486	22,022
	<u>114,657</u>	<u>170,717</u>

10. LIABILITIES: AMOUNTS FALLING DUE WITHIN ONE YEAR

	2011 £	2010 £
Trade Creditors	14,180	41,707
Deferred Income	240	390
Taxation and social security costs	22,244	15,615
Other creditors and accruals	21,150	18,722
	<u>57,814</u>	<u>76,484</u>

11. Related party disclosures

There were no material related party transactions during the year. Transactions with related parties totaled £1161 and were: Institute of Physics (£781.00) and Institute of Biomedical Sciences (£380).

12. Unrestricted funds

	2011 £	2010 £
Balance at 1 January 2011	287,847	313,476
Net movement in funds	(78,764)	(25,627)
As 31 December 2011	209,085	287,847

13. Restricted funds

	Balance Brought Forward £	Net Incoming Resources £	Resources Expended £	Balance Carried Forward £
Careers from Science	-	17,428	17,428	-
Special Project – Gatsby New Registers	-	109,365	109,365	-
Special Project – BIS Science for Careers	-	66,848	66,848	-
Gareth Roberts Memorial Lecture	12,000	-	-	12,000
Total	£12,000	£193,641	£193,641	£12,000

The **Careers from Science** fund relates to funding received specifically for Careers from Science activities, including Future Morph.

The **Gatsby New Registers** Special Project fund relates to grant funding from the Gatsby Charitable Trust to develop new professional registers in science.

The **BIS Science for Careers** Special Project fund relates to grant funding from the Department for Business and Skills to undertake the follow-on work for the Science for Careers Expert Group.

The **Gareth Roberts Memorial Lecture** fund relates to a donation from Sir Gareth Roberts to support the Gareth Roberts Memorial Lecture.