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# Annual Report of Council 2013-14

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The Association for Science Education

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The **Association**  
for **Science Education**

*Promoting Excellence in Science Teaching and Learning*

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# Chair's Introduction

2013/2014 has been an eventful year for the Association for Science Education (ASE). We have met challenging circumstances and have made steps towards a more sustainable organisation, better placed to support science education and learning amongst members and the wider education community.

As trustees, Council addressed key matters arising with respect to finance and a staff restructure. This year we have also welcomed the newly appointed Chief Executive Officer, Shaun Reason.

ASE continues to offer a wide-range of support including opportunities for high-quality professional learning. At the forefront of our support for professionals is our 4 day flagship Annual Conference. This always creates a buzz and it was a great pleasure to meet and introduce the President for 2014, Professor Alice Roberts. Alice is an advocate for making science accessible and engaging for all, and has prominently supported the Association this year in delivering that aim. It was also a pleasure to welcome another leading light to our Annual Conference, Sky at Night presenter, Dr Maggie Aderin-Pocock, and her message of inclusive and diverse science that inspires young people to 'reach for the stars'.

Part of our Governance structure consists of an expert Assembly. This group is crucial in setting out, for members and the wider science

education community, what ASE believes and communicating effective practice. Though there have been challenges, the Assembly's constituent working groups have all made progress in key areas including conferences and developing policy.

The Association's Chair Trio, comprising of the Chair, Chair Elect and Immediate Past Chair is a leadership model which works well and this is particularly true of this year.

On a personal note, I am very grateful for the support of previous Association Chairs, Liz Lawrence and Lynne Horton. I am also very grateful to Chris Harrison, our Chair-elect for 2014-2015, who has led discussion and consultation about A-Level practical work and ITE provision.

I would like to acknowledge and thank staff, Council, Assembly and all our members for their continued dedication and support. I leave the Association in excellent hands and very much moving forward once more.

***Pete Robinson***, Chair of the Association 2013-2014

# Highlights of the year

The following were major highlights of 2013/14.

- **Our President during 2013 was Professor Martin Rees, Lord Rees of Ludlow, The Astronomer Royal. From January 2014 the presidency passed to Professor Alice Roberts.**

Alice is professor of public engagement in science at the University of Birmingham and a presenter on TV programmes. Alice has been active in supporting the aims of the Association presenting at national and regional events as well as discussing aspects of science on programmes such as Newsnight under the title of President of the ASE.

- **ASE had significant input into the new National Curriculum and other science education policy, for example changes in the assessment of practical work at A-level in England.**

Much of this work was done, and continues to be, in collaboration with SCORE (Science Community Representing Education). As a representative organisation, the ASE is active in developing policy on science education and using evidence and its expertise to influence government and leading decision makers.

- **The Chair of the Association, Pete Robinson, delivered the ASE Honors Lecture at NSTA's Conference**
- **The Chair of the Association attended the All China Practical Science Festival in Guangzhou**
- **CEO invited to New Delhi as keynote speaker for a British Council conference and also visited Beijing**

# Achievements and performance

For the year 2013/14 ASE continued to operate under the 5-year Strategic Plan 2012-2017, constructed through the new governance structure. New Regional and Committee structures were implemented from August 2013.

Under this Strategic Plan 2012-2017 there are three Key Strategic Objectives, which outline the way in which the Association works towards its vision of:

***“Promoting excellence in the teaching and learning of science”***

These are:

- 1 To provide the high quality support and resources needed by the membership and the profession in general to allow them to deliver excellence in the teaching and learning of science
- 2 To provide clear outlets for the views of the Association and to raise the positive profile of the science teaching profession
- 3 To sustain the organisation so that it can continue to take forward its objectives

The Association is structured as a charity, registered with the Charity Commission in

England and with the Office of the Scottish Charity Regulator in Scotland and incorporated by Royal Charter. As such, we are obliged in law to confer public benefit – we do this through our aims which are wholly concerned with education. The aims express a commitment to improving science education for all young people, primarily but not exclusively across the UK. This is achieved by supporting teachers and others concerned in the provision of science education in schools and colleges and by influencing components of society, including government, such that science education can flourish.

With the appointment of a new Chief Executive in May 2014, Council has agreed that the Strategic Plan 2012-2017 will remain in place in the interim and that, following a critical review of the Association by the new CEO, a revised future strategy be developed during the 2014/15 financial year.

## Key Strategic Objective 1 - ASE resources and support

### **Membership**

It is our large membership which gives us confidence that our voice is the authentic voice of the profession. Therefore recruitment, retention and support of members is a key area at ASE.

The different regions with Field Officer support organise a variety of activities from conferences and large events to smaller events, usually in the form of teachmeets at which ASE membership is promoted. Teachmeets are an excellent way of providing benefit to members in geographical areas that might be distant from the main events. These activities also attract non members, especially in the primary sector, and assist in recruitment and sales. The commitment of volunteers in the regions is exceptional, as is the work of dedicated committee members in organising, hosting and/or providing ideas to attract delegates.

The Field Officer Co-ordinator in particular, supporting by Field Officers and ASE members with direct links to Initial Teacher Training promote the benefits of membership of ASE to initial teacher-training students.

During the year, we continued to develop the definition of professionalism in science education as a narrative to fit alongside the Registers. Numbers recruited to Registered Science Technician and Registered Scientist were very healthy compared with other organisations offering the designations under the aegis of the Science Council, although Chartered Science Teacher continues to have steady but low uptake and recognition. The commitment of the volunteers on the Technicians' Committee and of the Registration Board to the development of the Registers this year has been commendable. Technicians have also promoted RSciTech externally with considerable success.

Many Region committees take their obligation to recruit members very seriously and make efforts to welcome new members personally and to congratulate those achieving RSciTech, RSci and CSciTech.

### **Professional development**

ASE's largest professional development event is the Annual Conference. In 2014 it was held at the University of Birmingham and started with a half day international conference, followed by three days of a full and exciting programme. There were 2280 delegates from the UK, 261 overseas delegates, with the largest groups from Norway (172), Denmark (13), and the Netherlands (17). Themes included new curricula, developing assessment, policy into practice, research into practice, leadership, and practical/outdoor science.

There was a presidential address from Professor Alice Roberts (Professor of Public Engagement in Science at the University of Birmingham clinical anatomist, journalist, author and broadcaster). The Sky at Night presenter and space scientist, Dr Maggie Aderin-Pocock gave the Margaret Collis ASE Primary Science Lecture.

The programme was extensive and covered an enormous range of topics with workshops (81), talks/discussions/demonstrations (122), drop-in (23), booked courses(28), a range of special events (30) and Frontier Science lectures (26) provided by the staff of the University. The exhibition was smaller than in recent years with 108 exhibitors, but nevertheless met with positive comments from both delegates and exhibitors.

Overall 95.6 % of evaluation responses rated sessions good or very good. This year two new questions asked about relevance of sessions to:-

1. personal professional development (91% good or very good) and

2. classroom practice (85% good or very good).

Honorary membership was awarded to Professor Alice Roberts, Professor Sir John Holman, Stuart Naylor, Egbert Weisheit, Andrew Rankin. Brenda Keogh who passed away in late 2013 was awarded honorary membership posthumously; Brenda was a great supporter of ASE for many years and an inspiration to all of those involved in primary science education. She was widely recognised for her imaginative ideas and her unfailingly positive attitude, and will be remembered by the annual Brenda Keogh Primary Science Keynote Lecture.

In addition to the Annual Conference, numerous Regional and local CPD events were held during 2013/14. In the Regions, Teachmeets are now established as a means of providing peer-led CPD at low cost without impinging on the school day. They are used by the Regions Co-ordinator as a means of stimulating less active Regions. Regions also ran conferences as well as recruitment events for trainee .

ASE's Committees also work hard to provide professional development opportunities for members and the science education community at large. In most cases this involves putting on activities at the Annual Conference, where they generate large parts of the programme. The Technicians and Primary Science Committees are heavily involved in joint conferences with the National Science Learning Centre, and these are very successful. NAIGS and ATSE held a successful joint conference in July 2014.

### ***Web-based resources and support***

ASE's website, the shop window for the Association, the first stages of a revised look were beginning to appear as the financial year drew to a close.

In late Spring 2014, a new resource (The Science Leaders' Hub) was launched that recognises the need to support Science leaders and departmental heads in secondary schools. The

Science Leaders' Hub is a new area of the ASE website that has been designed for science leaders across the UK. It aims to cover both the basic 'nuts and bolts' of leading a science department (for new or aspiring science leaders) as well as more advanced methodologies for driving change and improvement. The web based format allows the resource to respond to current 'hot' issues. Material has been written 'BY professionals FOR professionals' and aims to be a two way publication that will grow with time and become a means by which ASE members benefit by sharing each other's experiences and ideas.

Primary upd8 is now supported by a new writing and editorial team, and has a revised website and search facility to reflect the new primary science curriculum (in England). The popular secondary upd8 course activities (wikid, segue and crucial) are now available individually or as sequences of activities on the upd8 store.

#ASEchat continues to grow in popularity and receives many enthusiastic reviews. Facebook followers continue to grow and Twitter is used routinely to enhance communication and promotion.

The ASE 'schoolscience' resources website remains well supported by external sponsors. The quality of the site remains high and it is well used.

### ***Books and journals***

The Technicians, Primary, 11-19, Publications and Research Committees continue to contribute carefully crafted articles for our house journal, "Education in Science", now published on paper four times per year and supplemented by web-based articles in "EiSExtra". The web-based edition is slowly gathering readership.

"School Science Review" celebrated the anniversary of ASE earlier in the year and also had a special edition on 'Perspectives on the science curriculum', to tie in with the plethora of curriculum changes taking place across the UK. "Primary Science" ran themed issues on 'Out and about', 'Science across the World' and a special issue on 'Leading change' which, through kind sponsorship, was sent to every primary school in the UK as part of a promotional push for ASE membership. "Science Teacher Education" is

published online and as always includes a range of items covering research, opinion, debate and humour, to appeal to all partners in Initial teacher Education and to provide CPD. ASE continues to host the "Journal of Emergent Science".

Bestselling books include Be Safe (4th edition) and the ASE Guides to Primary, Secondary and Research in Science Education. Additionally, the

publication "It's Not Fair – or is it?" which was produced by members of Primary Science Committee in collaboration with Millgate House Education, continues to be very well received, drawing interest during the implementation phase of the new National Curriculum in England.

### ***Projects***

During this year, successful project partnerships have included Getting Practical KS2-3 transition (with CLEAPSS and funded by the Primary Science Teaching Trust), Primary Curriculum Implementation conferences (with Cambridge Primary Review Trust and Pearson), Lunar Rocks and Meteorites Loan Scheme Upgrade Phase II (with the Science and Technology Facilities Council, University of Manchester, Natural History Museum and Millgate House Education), Coral Oceans resources (with Digital Explorer and funded by Catlin Group Limited), and teaching resources with the British Aerosols Manufacturers Association and Copper Development Agency.

The Global Learning Project (in partnership with the Royal Geographical Society and with funding from DfID) continues and the Language of Mathematics in Science project (with funding from the Nuffield Foundation) started towards the end of this year.



## Key Strategic Objective 2 - ASE's voice and profile

### *Influencing external policy*

This year has seen no let-up in the number of consultations launched, or requests for ASE comment. The membership committees have actively responded to the consultations appropriate to their areas of interest. Some Region committees are also active in providing responses, and Research Committee often offers background thoughts on the issues. For 2013/14, ASE's priorities have been centred on curriculum, qualifications and assessment changes and as we enter 2014/15 an added priority of initial teacher education.

ASE's focus on assessment of practical work resulted in members of ASE's 11-19 Committee and representatives from other ASE Committees, including teachers, researchers and professional development experts, meeting with Ofqual's Head of Reform in June, to discuss GCSE and A level reform at ASE's headquarters. ASE will also be providing further opportunities during 2014/15 for members to engage with Ofqual directly in these discussions, particularly on GCSE reform which is at an earlier stage of development.

ASE's Northern Ireland Region Committee has been concerned that students are not required to study any science beyond age 14 and that at primary level, the lack of any prescription for science has resulted in less content being taught and an insufficient emphasis on science teaching within an enquiry based context. As a result the Northern Ireland Region Committee has been actively working to address this situation, including briefings at Ministerial level.

As a member organisation of SCORE, ASE has contributed to all consultation responses submitted by SCORE, through valuable discussion with our national groups, including our Primary Science, 11-19, NAIGS and ATSE Committees. We also take account of perspectives that come through our Regional

committees or directly from members. During 2013/14 The topics have included:

- Response to the Department for Education consultation on the National Curriculum
- Response to the Department for Education consultation on the GCSE subject criteria
- Response to the Ofqual consultation on GCSE reform
- Response to the Department for Education consultation on primary assessment and accountability
- Response to the Department for Education consultation on 16-19 accountability
- Response to the Department for Education consultation on A-level subject content
- Response to the Ofqual consultation on A-level reform

ASE produces its own separate responses to many of the issues. For example, as we start the 2014/15 year our response to the Carter Review of Initial Teacher Training (ITT) is being collated by the Association of Tutors in Science Education (ATSE), a network group of ASE, and we have also contributed to the SCORE response on this subject.

All responses are completed to a high quality, to deadline and with reference to ASE policy statements as appropriate.

ASE's representatives on the SCORE committees are Marianne Cutler, Director of Curriculum Innovation, and Richard Needham, a past Chair of the Association and other ASE Members where their knowledge-base is relevant. The CEO sits on the SCORE CEOs' group, which sets SCORE's strategy.

ASE's Language of Mathematics in Science project (funded by the Nuffield Foundation) aims to promote better integration of mathematical skills and thinking into science teaching at key stage 3 and key stage 4, and to work with awarding organisations to embed good quality assessment of mathematics in science. Representatives from DfE, Ofqual and Ofsted are observers on the project's steering group.

### ***Representation including international profile***

The complexity of the science education environment across the UK has resulted in the need to address education policy in different ways. The ASE attempts to ensure that it represents the interests of all members be they from England, Northern Ireland, Scotland or Wales, as well as maintaining an international perspective. ASE produces its own separate responses to many of the issues our nations face as well as working alongside other partners within the science community.

ASE is represented by the CEO on a number of national bodies. The new Chief Executive is a member of the Science Education Forum, the National Curriculum Science Expert Group, the National Science CPD Forum, and the Education & Skills Policy Panel of the IET (Institution of Engineering & Technology). He also sits on the Schools University Partnership Initiative (SUPI) Advisory Board, the national Network of Science Learning Centres & Partnership Steering Group, as well as the Science Learning Consortia (Central England; London & SE England) Executive Board. Both the outgoing and new CEO from May 2014 have been asked to speak, chair external science meetings and write on behalf of ASE on many occasions in the past year.

Representation of the ASE is also provided by the Chair Trio, the Director of Curriculum Innovation, members of Council and Assembly, as well as members from the various committees of ASE. For example, members of the Primary Committee have presented workshops at the summer

Westminster House Conferences and contributed articles to TES on changes to the English curriculum, members of the Research Specialist Group have contributed to ASE consultations, and link with a wide range of organisations in the UK (learned scientific societies, ATSE, SCORE and Parliamentary meetings) to promote the profile of the ASE.

In England, as a member organisation of SCORE and separately, ASE has contributed to key consultations. In Scotland, ASE has been represented on STEMEC and the Royal Society of Edinburgh's Learned Societies' Group on Scottish Science Education. In Northern Ireland members have contributed to A-level reform discussions with CCEA and the Northern Ireland Region Committee has been actively working to address a number of issues and have actively engaged with the Assembly Education Committee at Stormont. ASE Cymru has a high profile with regard to the Welsh Government and has been active through meetings, with the DFES and with elected members of Welsh Assembly Government. The Chair of ASE Cymru is on Working Group for Science within Welsh Government.

The ASE has many links with science associations from other countries, as much of our work and projects do have international relevance. Many international links have been maintained by members as individuals or as representative of committees.

There was recognition for ASE's international work with an award by the International Council for Open and Distance Learning in the Leadership category for Innovation and Best Practice. This was for 'Promoting sustainable living in the borderless world through blended learning platforms (based on ASE's Science Across the World programme)' by Khar Thoe Ng (Science Across the World coordinator for Malaysia), Suma Parahakaran, Rhea Febro, Egbert Weisheit (SAW Across the World coordinator for Germany) and Tan Luck Lee, SEAMEO Regional

Centre for Education in Science and Mathematics, Malaysia.

In April, the outgoing Chief Executive and the Chair of the Association took part in the NSTA Conference in Boston; NSTA, our US sister organisation, is important to ASE. We had previously welcomed NSTA delegates to the ASE Annual Conference in January. Whilst the Chief Executive was in America, the incoming Chief Executive welcomed representatives from Beijing Association for Science and Technology (BAST) to Hatfield to discuss information-exchanges.

By developing these networks the ASE can gain insights into professional practice that can be used to benefit our members and education in other areas of the world.

### ***ASE policies***

Reviewing ASE policy documents is organised by Assembly, with contributions through Assembly and relevant committees and when adopted they feature prominently on the ASE website.

### **Key Strategic Objective 3 - Sustainability of ASE as an organisation**

This strategic objective covers the governance of the Association and the systems that support it, including the finance operations.

The new governance structure of the Association has continued to follow best practice of the charity sector, with performance against budget managed and reported regularly. All legislative reporting and other requirements were met promptly and efficiently. The major control documentations of the Association (the Strategic Plan, the Risk Register, the Operating Procedures and financial documentation) were kept up-to-date as appropriate.

ASE's financial viability was a key issue during 2013/14 as highlighted in the Honorary Treasurer's Report. Financial reporting, particularly weekly monitoring of cashflow, remained a high priority throughout the year. Systems were able to provide information to Committees and Regions, and to staff and Council throughout the year.

Headquarters was affected by significant turmoil and uncertainty during the year. There were considerable salary cuts and pension reductions; to add to this, consultations on restructure dominated proceedings up until March 2014 with staff placed at risk of redundancy and needing to apply for new and/or revised roles.

A leaner structure was created with the loss, mainly through redundancies, of a number of experienced and talented colleagues. A new

CEO was appointed and took up post in May 2014; following a quick assessment of the financial position, he quickly put on hold the appointment of external staff into vacant positions in order to stabilise the financial position of the Association.

As can be seen from the earlier sections of this report, there is an enormous amount of activity throughout the organisation and the challenge has been to maintain this while funding has been low. The new governance structure of a smaller trusteeship body (Council) and a larger science education discussion body (Assembly) began to establish new ways of working, as did the membership committees (Primary, 11-19, ATSE, NAIGS, Technicians) and the advisory committees (Safeguards, Research, International, Publications) became Specialist Groups. Further work is needed to embed this and the new CEO is reviewing with members how to improve the new set-up.

To further reduce costs alternative means of meeting and communicating became standard practice with the use of web-based conferencing and a telephone conference calling system. It was a difficult year despite considerable efforts made by those involved because of this reduction in physical meetings and reduced support from headquarters.

# Plans for 2014/15

Council has agreed that the Strategic Plan 2012-2017 will remain in place in the interim and that, following a critical review of the Association by the new Chief Executive, a revised future strategy will be developed during the 2014/15 financial year with the support of members and their committees.

The CEO stated on appointment that he would spend 6 - 9 months looking at the Association dispassionately, assessing its strengths and weaknesses. By not appointing into the vacant positions at the end of 2013/14, the finances have been stabilized. Going forward the aim during 2014/15 is to achieve a true break-even position. 2013/14 was about survival, 2014/15 will be centred on consolidation, with growth planned for 2015/16. Given the ASE's accounts for the year ending 31 July 2014, a realistic appreciation of trends in ASE income and with austerity due to continue until at least 2017, financial controls and strategic financial planning will remain critical, as well as the development of diverse and sustainable income streams.

The CEO is committed to providing improved services for members, whilst limiting operational costs and providing appropriate levels of customer service from the diminishing administrative hub in Hatfield. He is working towards an organisational model that is 'fit-for-purpose' with more flexible and integrated working, including greater use of volunteers, associates and consultants. This requires a coherent strategy to ensure that ASE members remain supported and engaged and that they feel part of a very special professional community at regional, national & international levels - members are the lifeblood of any membership organisation. ASE must listen to its

members ... but when it does, it needs to listen with the goal of understanding and responding effectively.

The overall decrease in profitability of projects results in reduced contributions to infrastructures and a constant striving for efficiencies. Our contracts are increasingly requiring us to provide one of the following: more for the same value, more for less or the same for less.

It is apparent that many contracts are increasingly being awarded on a larger scale. On the competitor front, the ASE is competing against larger and, in some cases, more influential organisations, as well bodies with powerful infrastructures and resources behind them.

The CEO is actively assessing and developing ASE partnerships much more rigorously; there is a need to consider these on a wide geographical basis across our four nations and internationally to improve influence and raise profile.

Without significant cash reserves it becomes very easy to experience problems in meeting the upfront costs of delivery. The new CEO has put in place procedures to minimise risk to ensure that the challenges faced do not substantially affect the long-term viability of the Association. Key threats are shrinking membership numbers and

the unpredictability of delegates attending the annual conference. In the last two years, various membership proposals and background research have already been carried out by ASE committees and staff. It is now vital to agree a future structure for membership and identify all the factors that need to be resolved, and an action plan for their resolution, in order for the membership to be revitalized.

The new CEO is assessing entering new markets that involve some degree of managed risk, diversification and new working practices. Supporting functions will need to be flexible enough to underpin these future plans. During 2014/15, IT systems will be slowly upgraded within financial constraints and there will be improvements to the main website to improve the experience for visitors.

ASE will ultimately need to increase its income by providing further services to science educators and by building on its ability to secure and take on development and research projects. In some cases this work may be in partnership with other science/education bodies.

Key to the success of the Association going forward will be its ability to

- recruit, retain and support its membership base;
- undertake project development related to science education; and
- be at the forefront of policy development in science education.

The ASE values and its commitment to science education will continue to guide direction as we continue to focus on promoting excellence in the teaching and learning of science.

# Honorary Treasurer's Annual Report 2013/14

Discussions and plans for re-organisation to secure the long term future of the Association continued to dominate the early part of the year, and although it has been a difficult year, the Trustees are encouraged to report that the Association is consolidating its position and is now moving into a new phase of development. The staffing structure was streamlined during the year by the Trustees and a new Chief Executive appointed for the final quarter of the financial year. During this time decisions were made not to fill a number of vacant positions in order to stabilise the finances of the Association. The end-of-year accounts could have been positive for the first time in seven years. However, non-recurring redundancy costs and stock write-downs, during 2013/14 amounted to some £53K.

Council actively monitored the budget and cash-flow on a regular fortnightly basis during 2013-14. The results for the year are set out in summary form with the Council Report; the full financial statements are available to members on the website or by PDF on request.

The new Chief Executive is actively producing a fully functional team culture. Staff remain positive and committed despite their experiences over a number of years with the loss of some good people along the way. There are no current plans to recruit additional staff and so savings on staffing will amount to £100K+ during the 2014-15 financial year. Membership, Conferences and Projects (Initiatives) and to a

lesser extent Book-sales continue to be the core income streams. A break even budget has been set for 2014/15 with the hope that current efforts will improve on that. There is a new sense of optimism amongst staff, members and trustees.

There is a renewed emphasis on prudent, managed monitoring of finances for 2014/15 under a new quarterly reporting system with interim area and monthly updates as appropriate. Cash-flow continues to be keenly monitored by the new CEO, Finance team and Trustees.

In July 2014 the new CEO stated in his Report to Trustees that, "Sustainable growth of the ASE involves striking a balance between preservation and evolution. Rather than being sentimental about what has always been it may be necessary to let go of processes or aspects of our culture if we are to flourish again." As a result, the Trustees have given the CEO authority to begin to pursue the feasibility of a number of more radical options to ensure that the ASE continues to facilitate excellence in the teaching & learning of science whilst experiencing growth in the size of its membership within an increasingly complex and competitive science education environment.

Potential new partnerships are being actively developed and it may be that temporary staff are employed on a project by project basis to meet the needs of new investment.

**Des Dunne** (*Honorary Treasurer*)

## Statement of financial activities for the year ended 31 July 2014

|  | <b>Unrestricted<br/>Funds</b> | <b>Restricted<br/>Funds</b> | <b>2014<br/>Total<br/>Funds</b> | <b>2013<br/>Total<br/>Funds</b> |
|--|-------------------------------|-----------------------------|---------------------------------|---------------------------------|
|  | £                             | £                           | £                               | £                               |
| <b>Incoming resources</b>  |                               |                             |                                 |                                 |
| Incoming resources from generated funds                                  |                               |                             |                                 |                                 |
| Voluntary income   | 16,283                        | -                           | 16,283                          | 6,113                           |
| Investment income  | 230                           | -                           | 230                             | 1,229                           |
| Incoming resources from charitable activities                            | 1,117,010                     | 129,937                     | 1,246,947                       | 1,525,693                       |
| <b>Total incoming resources</b>  | <u>1,133,523</u>              | <u>129,937</u>              | <u>1,263,460</u>                | <u>1,533,035</u>                |
| <b>Resources expended</b>  |                               |                             |                                 |                                 |
| Costs of generating funds  |                               |                             |                                 |                                 |
| Investment management costs  | -                             | -                           | -                               | 675                             |
| Charitable activities  | 1,083,532                     | 130,637                     | 1,214,169                       | 1,503,614                       |
| Governance costs   | 63,850                        | -                           | 63,850                          | 89,231                          |
| <b>Total resources expended</b>  | <u>1,147,382</u>              | <u>130,637</u>              | <u>1,278,019</u>                | <u>1,593,520</u>                |
| <b>Net (outgoing) resources before other recognised gains and losses</b> | (13,859)                      | (700)                       | (14,559)                        | (60,485)                        |
| <b>Other recognised gains</b>  |                               |                             |                                 |                                 |
| Gains on investment assets   | -                             | -                           | -                               | 7,732                           |
| <b>Net movement in funds</b>   | (13,859)                      | (700)                       | (14,559)                        | (52,753)                        |
| <b>Reconciliation of funds</b>   |                               |                             |                                 |                                 |
| <b>Total funds brought forward</b>                                       | (41,120)                      | 12,019                      | (29,101)                        | 23,652                          |
| <b>Total funds carried forward</b>                                       | <u>(54,979)</u>               | <u>11,319</u>               | <u>(43,660)</u>                 | <u>(29,101)</u>                 |

The net movement in funds arises from continuing operations.

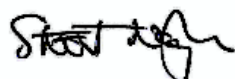
There were no recognised gains and losses other than those dealt with above.



## Balance sheet as at 31 July 2014

|   | <b>2014</b>            | <b>2013</b>            |
|---|------------------------|------------------------|
|   | <b>£</b>               | <b>£</b>               |
| <b>Fixed assets</b>                                     |                        |                        |
| Tangible assets   | 16,134                 | 11,067                 |
| Investments   | -                      | -                      |
|   | <u>16,134</u>          | <u>11,067</u>          |
| <b>Current assets</b>                                   |                        |                        |
| Stocks  | 21,217                 | 38,515                 |
| Debtors   | 81,349                 | 118,811                |
| Investments   | 365                    | 365                    |
| Cash at bank and in hand                                | 210,284                | 165,761                |
|   | <u>313,215</u>         | <u>323,452</u>         |
| <b>Liabilities:</b>                                     |                        |                        |
| Creditors: Amounts falling due within                   |                        |                        |
| one year  | (362,908)              | (358,548)              |
|   | <u>(49,693)</u>        | <u>(35,096)</u>        |
| <b>Net current liabilities</b>                          |                        |                        |
|   | <u>(49,693)</u>        | <u>(35,096)</u>        |
| <b>Total assets less current liabilities</b>            | <u>(33,559)</u>        | <u>(24,029)</u>        |
| Creditors: amounts falling due after more than one year | (10,101)               | (5,072)                |
| <b>Net (liabilities)</b>                                | <u><u>(43,660)</u></u> | <u><u>(29,101)</u></u> |
| <b>The funds of the charity</b>                         |                        |                        |
| Restricted funds  | 11,319                 | 12,019                 |
| Unrestricted funds                                      | (54,979)               | (41,120)               |
| <b>Total charity funds</b>                              | <u><u>(43,660)</u></u> | <u><u>(29,101)</u></u> |

Approved by the Trustees on 19 November 2014 and signed on their behalf by  
 behalf by      Stuart Naylor      Trustee



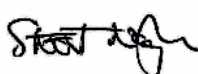
## Notes to the summary financial statements for the year ended 31st July 2014

|  | <b>2014</b>      | <b>2013</b>      |
|--|------------------|------------------|
|  | <b>£</b>         | <b>£</b>         |
| <b>1 Incoming resources</b>  |                  |                  |
| Voluntary Income   | 16,283           | 6,113            |
| Investment Income  | 230              | 1,229            |
| Registration and Accreditation Income                                    | 550,941          | 584,226          |
| Publications Income  | 90,633           | 104,568          |
| Association journal income   | 130,790          | 103,818          |
| Conferences Income   | 330,416          | 489,731          |
| Other Income   | 14,230           | 12,952           |
| Income from sponsored projects   | 129,937          | 230,398          |
|  | <u>1,263,460</u> | <u>1,533,035</u> |
| <b>Resources expended</b>  |                  |                  |
| Investment management costs  | -                | 675              |
| Members Registration & Services  | 184,638          | 202,613          |
| Publications costs   | 94,727           | 135,347          |
| Association journal expenditure  | 289,535          | 299,614          |
| Conferences expenditure  | 277,059          | 448,723          |
| Regional Expenses  | 81,883           | 93,670           |
| Other Charitable Activity Costs  | 102,110          | 67,776           |
| Project and Initiatives  | 130,637          | 230,398          |
| Governance Costs   | 63,850           | 89,231           |
|  | <u>1,224,439</u> | <u>1,568,047</u> |
| <b>Operating surplus/(deficit)</b>                                       | <u>39,021</u>    | <u>(35,012)</u>  |
| Redundancy and other non-recurring costs                                 | 53,580           | 25,473           |
| <b>Net (outgoing) resources before other recognised gains and losses</b> | <u>(14,559)</u>  | <u>(60,485)</u>  |

- The financial information contained in this Report is a summary of the information extracted from and consistent with the annual statutory accounts.
- The summary accounts may not contain sufficient information to allow for a full understanding of the financial affairs of the charity. For further information, the full annual accounts, the auditor's report on those accounts and the accompanying notes, Trustees report and Annual Report should be consulted and copies may be obtained from ASE, College Lane, Hatfield, AL10 9AA
- The full annual accounts have been audited and carry an unqualified audit report.
- The financial statements were approved by the Trustees on 19 November 2014 and will be presented to members at the 2014 Annual General Meeting.

Stuart Naylor

Trustee



# Independent auditors' statement to the trustees of the Association for Science Education charity

We have examined the summarised financial statements of The Association for Science Education comprising a SOFA a Balance Sheet and notes.

## **Respective responsibilities of the trustees and the auditor**

The trustees are responsible for preparing the summarised financial statements in accordance with the recommendations of the charities SORP.

Our responsibility is to report to you our opinion on the consistency of the summarised financial statements within the summarised Annual Report with the full annual financial statements and the Trustees' Annual Report and its compliance with the relevant requirements of the Charities SORP.

We also read the other information contained in the summarised Annual Report and consider the implications for our report if we become aware of any apparent misstatements or material inconsistencies with the summarised financial statements. The other information comprises only the Chair's statement, Achievements and Performance 2013/14 statement and the Honorary Treasurers report 2013/14.

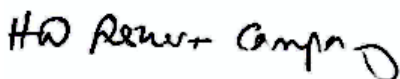
## **Basis of opinion**

We conducted our work in accordance with Bulletin 2008/3 "The auditor's statement on the summary financial statement" issued by the Auditing Practices Board. Our report on the charity's full annual financial statements describes the basis of our audit opinion on those financial statements.

## **Opinion**

In our opinion the summarised financial statements are consistent with the full annual financial statements and the Trustees' Annual Report of The Association for Science Education for the year ended 31 July 2014 and comply with the recommendations of the Charities SORP.

We have not considered the effects of any events between the date on which we signed our report on the full annual financial statements ( 19 November 2014 ) and the date of this statement.



**H W Fisher & Company**  
**Chartered Accountants**  
**Statutory Auditor**  
**Acre House**  
**11-15 William Road**  
**London NW1 3ER**  
November 2014