

Annual Report and Accounts

for the year ending July 2023

Promoting Excellence in Science Education



ase

ASSOCIATION FOR
SCIENCE EDUCATION

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FROM THE CHAIR

Traditionally an annual report is read as the closing chapter that tells of the year that has gone. This annual report may be better read as an opening chapter that sets the scene for future development of the association.

A key theme for the year has been change. Not change for change's sake but change to secure a future in which ASE not only survives but thrives. A future in which ASE can fulfil its charitable mission to promote excellence in science education with a growing membership from across the science education community.

Throughout this period of transition for the association our advocacy and project work have continued including our influential Inclusions in Schools programme which continues to support schools to improve diversity in STEM education.

The association, as with many organisations, is impacted by the political, economic and social landscape in which it operates. This has been a key driver for the need for change. Through member feedback and a benchmarking exercise it became clear that our existing membership structure was no longer fit for purpose. The cost-of-living crisis meant that our membership rates were not affordable for teachers and technicians who make up a core part of our membership. It was with this backdrop that our trustee body approved the reduction in membership fees.

Such a change is not without risk but it is important to realise that there are times when not to change is a greater risk.

A key legacy of my year as chair has been the clarification of the roles and responsibilities of the national committees and special interest groups and the work with our CEO Lynn to ensure that our volunteers and staff team are able to work effectively towards common goals for the association.

The commitment and positivity our national chairs and their committee members have shown throughout this year of transformation for the association is something of which I feel immense pride. The events and journals described in this report would not have been possible without their contributions.

The dedication, determination and shared sense of purpose of our volunteers and staff leave me with a sense of optimism for the years to come.



Helen Harden

HELEN HARDEN

CHAIR OF THE ASSOCIATION

“A key theme for the year has been change. Not change for change’s sake but change to secure a future in which ASE not only survives but thrives.”



ASE'S VISION, MISSION AND REACH

The Association for Science Education is a community of teachers, trainees, technicians, consultants and academics united by a common goal: promoting excellence in science education. By actively supporting continuous professional development, by harnessing the power of our community and by speaking with one voice on the issues that matter, we empower all science educators to deliver the best possible outcomes in their educational setting.

VISION

All learners are engaged in appropriate, valuable and interesting science education, supported by a professional science education workforce.

MISSION

To promote excellence in science education

REACH

5,115 Individual subscribers

Teachers, technicians, lecturers, academics, researchers, school leaders, teacher developers and consultants in membership.

9,000 subscribers to our mailings

321 communications with updates on science education topics, news, events and activities. We achieved an average 38% open rate

117 CPD events and webinars

Topics included SEND, practical science, inclusive science, leadership, assessment, sustainability, physics for non specialists and more

770 Schools and Science Departments

Our support reaches science educators in primary and secondary schools and Higher Education Institutions.

309,500 Web visitors

to our main website and School Science website. That amounts to 824,614 unique page views!

4,553 Event Attendees

Including our Annual, Regional and Specialist conferences, webinars, teachmeets, techmeets, and Masterclasses

OUR STRATEGY 2020-2023

Access to good science education is crucial if we are to equip future generations with the skills and knowledge they need to be healthy, contribute to a sustainable society and/or to pursue much needed careers in the STEM sector. The need to equip young people with sound understanding and application of scientific knowledge has arguably never been greater - yet our science education workforce has also arguably never been under such strain.

ASE promotes excellence in science education and supports the science education community in their work to deliver high quality, engaging, evidence informed, science education. Our work seeks to instil passion for science, deepen subject knowledge, ensure effective teaching strategies, create a positive and inclusive learning environment, and encourage life long professional learning.

Our strategy 2020 to 2023 focused on four key areas:

1 Community: Expanding our reach, ensuring our offering is fit for purpose for both membership and the wider science education community.

The ASE is a membership association and we are proud that our members find in one another extensive means of support, motivation, insights and inspiration.

Throughout **2022/23** our community of support, provided through dedicated events, conferences, teach and tech meets, has continued to help teachers, technicians, teacher trainers and providers of science education in many settings, feel less isolated, able to reach out, seek guidance, find encouragement, and access more professional opportunities. This is evident through event evaluations as well as anecdotal feedback.

However, we are conscious that our reach does not go far enough. Membership numbers continued to decline in 2022/23. **The total number of members (including by association) in 2022/23 was 5115** (2022: 6028). This year, we undertook a thorough review of our membership offer, and agreed to radically reduce membership fees and redefine membership benefits. It has taken much of the year to prepare systems to accommodate the changes but we will launch the new membership offer in September 2023/24.

2 Professional development: Supporting the professional learning journeys of all those in science education through the provision of CPD and educational resources.

In 2022/23 we continued to support the professional learning journey of members and the wider science education community through our events and publications.

We hosted **117 CPD events** - at national, regional and local level and online. These were attended in total by over 4,000 science educators and covered a wide range of topics from inclusion in science, supporting those with special education needs in science, climate change and sustainability, through to practical science and leadership skills.

We published **23 editions of our journals** (three Education in Science (EIS), five Primary Science, three ASE International, six School Science Review (SSR in Depth and in Practice), two Journal of Emergent Science (JES) (sponsored by the Primary Science Teaching Trust) and two Science Teacher Education (STE). Our Journals reach over **12,500 subscribers**. In addition, over **100 universities and institutions take out library subscriptions** to our journals helping to ensure professional development resources reach even great numbers of science educators and teacher trainees.

3 Advocacy: Amplifying the voice of the science education community, drawing on expertise to advise stakeholders and decision-makers.

In 2022/23, we continued to inform national and regional policy and fed back on a range of topics including post 16 qualifications, ITT reaccreditation, qualifications for science in Wales, plans to overhaul coursework and assessment in Scotland, and the House Of Commons enquiry on diversity and inclusion in STEM. In February, we welcomed Ofsted's science subject report: *Finding the optimum*: and in partnership with Primary Science Quality Mark (PSQM), Primary Science Teaching Trust (PSTT) and University of Manchester published guidance on the implications of the report for primary science.

We also continue to work in partnership with the Institute of Physics (IOP), Royal Society of Chemistry (RSC), the Royal Society of Biology (RSB) and the Royal Society, through the influential Science Education Policy Alliance (SEPA).

4 Organisational sustainability: Ensuring operational excellence through effective governance, IT finance and human resources.

2022/23 has been a year of transition. We welcomed a new CEO, Lynn Ladbrook, who performed a rapid assessment of operational activity, quickly identifying a number of key areas for focus during the year: these included action to tackle falling membership, work to promote clarity of purpose and joined up thinking across the organisation, boosting the profile and brand of the association realigning resources to focus on core charitable objectives.

More detail on all of our activities can be found further on in this report.

Working with members for members

ASE could not exist without the support of members and volunteers. We have over 120 members on our National Committees and Groups representing members from across the education sector. Our committees and special interest groups (Primary, 11-19, Teacher Development (Futures), Publications, Technicians, Health and Safety and Research, as well as our Editorial Boards, Registration Board and Regional Committees are crucial to the effective running of the Association. These committees and groups not only inform and identify priority needs and activities but also help us to deliver the activities themselves. Our members feed into policy at national and regional levels, write for our publications, identify and source content for conferences, deliver sessions, curate and peer review resources and offer a vital window into the lives of practising science educators in classrooms, laboratories, lecture theatres and academic institutions across the country.

In order to ensure these committees and groups work effectively we have reviewed their terms of reference and boosted centralised support. We have also agreed this year to establish two further specialist interest groups on Policy and Conference.

We'd like to take this opportunity to thank all of our committee members both nationally and regionally for all of their hard work and commitment to the Association.

ASE: A SCIENCE EDUCATION COMMUNITY

A fundamental aspect of the service we provide is access to a community of professional support. Whether it's a teacher or technician starting out in their career, an experienced educator considering their next steps, an experienced scientist considering a career in teaching or a seasoned academic and teacher educator looking to expand their network and reach, ASE is home to all. With recruitment and retention of science teachers in crisis, this access to support is vital and can mean the difference between deciding to stay in teaching or deciding to leave.

In 2022/23 we hosted 40 regional and networking events, attended by over 840 attendees - however whilst we hear from those that attend, that these opportunities aid morale as well as professional development, we also hear that many people are simply too busy, or not allowed time out of the classroom to attend. We are looking at ways in which we can make our networks more accessible and in 2023/24 will be looking more at how we can support with local activities and one to one mentoring.

Teacher wellbeing and retention

The ASE Retention Initiative for Science Education (RISE) is a Gatsby Foundation funded initiative focusing on improving science teacher retention specifically in secondary schools in disadvantaged circumstances. The focus for this year has been to capture the perspectives of senior leaders on the management of science departments. The aim is to develop resources for schools to use that support both senior leaders and science leaders in building positive working relationships and to inform policymakers of best practice. Interviews with senior leaders took place during the summer term and are currently being analysed.

"I enjoy speaking to other science educators about the important issues that during a normal school day you may not have time to discuss."

"I would not be where I am in my career without the ASE and the incredible network I have built over the years...and the boost it has given to my own professional development, self esteem and morale."



PROFESSIONAL DEVELOPMENT AND LIFE LONG LEARNING

Good access to high quality CPD is shown to keep teachers in teaching and will result in better educational outcomes. High quality CPD leads to more knowledgeable, competent, confident and engaged teachers which in turn leads to improved learning outcomes for young people.

ASE provides a range of high quality, affordable and accessible learning and professional development events. We were pleased that a number of these could return to in person events in 2022/23. We were also able to offer a number of highly successful online CPD sessions.

Annual Conference

The ASE's Annual Conference was held at Sheffield Hallam University between 5th and 7th January 2023. The Conference programme offered over 250 sessions and was designed to reach a wide audience of teachers, technicians and subject leaders from primary, secondary and higher education, as well as trainees, early career teachers, researchers, consultants and teacher educators. Highlights included: the Presidential Address on how science can respond to the key existential threats facing the planet; our Frontier Lectures including one on cognitive science and applying psychology in the classroom and a presentation from Ofsted on the science subject report "Finding the Optimum". Delegates fed back that the conference provided them with good quality CPD, networking opportunities and practical ideas to take back to the classroom.

"The practical seminars are a great opportunity to reconsider current practice and gather new ideas..."

"I'll be implementing 'Techniques for teaching maths in A-level Biology' - from the maths workshop..."

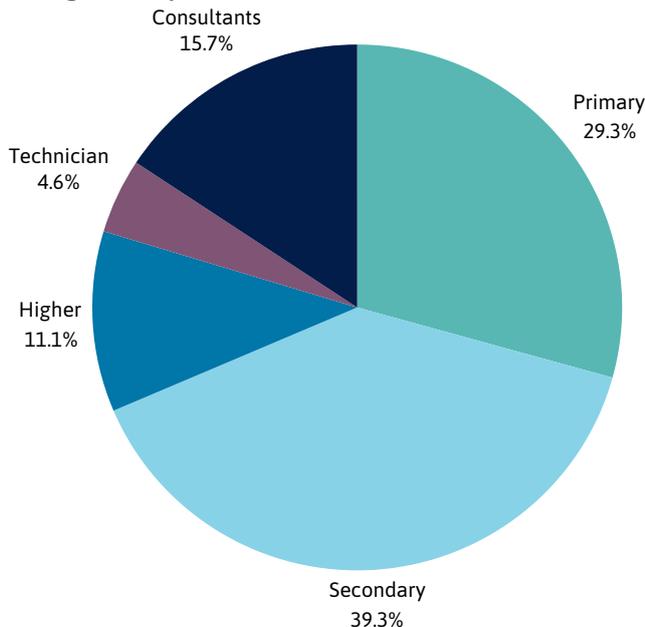
"Sessions addressing gender equality issues in physics, teaching issues associated with the Integrated Sustainable Development Goals including climate change are all very important and relevant."



Annual Conference Impact

The ASE Annual Conference attracts a wide range of science educators from different educational settings and different backgrounds. One of the key benefits of Conference is the valuable networking opportunities it offers. In addition, evaluation reveals that the majority of delegates believe the conference supports their professional development and provides them with practical ideas and knowledge that they can apply in the classroom.

Delegate Composition



80%



of respondents agreed or strongly agreed that the event was 'important to professional development'

76%



of respondents agreed or strongly agreed that it 'helped subject knowledge'

74%



of respondents who were able to apply what they learnt in the classroom agreed or strongly agreed that the event would have a positive impact on classroom practice

70%



Rated networking opportunities as Good or Excellent

1,700 Delegates attended Conference across three days

100 Delegates registered to stream live content online

250+ CPD Sessions on a wide range of science education topics

Thank you to our conference partners and sponsors





Technicians Conference

In July, our Technicians South and West Conference (sponsored by Philip Harris and hosted by Clifton College, Bristol) attracted 67 delegates. We offered 20 CPD sessions on topics such as: how to adapt practical equipment and lesson resources for students with SEND; how to minimise carbon footprint in school laboratories; teamworking and teambuilding despite often being 'lone' technicians; and, practical ideas for primary transition visits and taster sessions. 100% of respondents rated the sessions as "Good" or "Excellent", and 99% agreed they would take back practices to implement in the classroom. 78% agreed it would help them to plan their next steps.

"I took something from each workshop I attended. I particularly enjoyed the "from glowsticks to rhubarb" session. I hadn't thought of using Alka-Seltzer for a rates of reaction practical".

"I managed to talk to some other technicians and I even met for the first time the biological technician who works at the same college as me but for a different site!"

Futures Conference

Our Futures Conference in June offers high quality CPD to teacher trainers and those involved in the professional development of science educators. This year, the event was sponsored by AQA and kindly hosted by Bishop Challoner Catholic College in Birmingham.

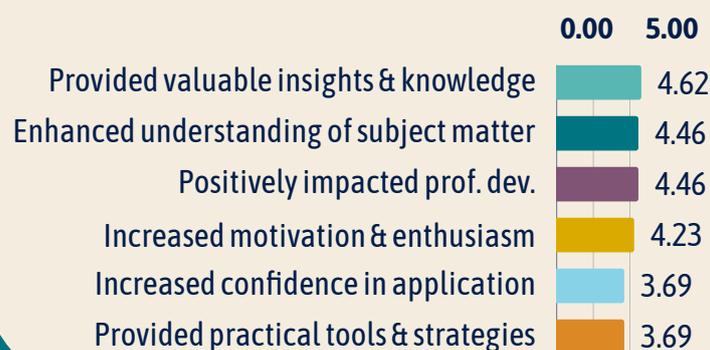
Although less well attended than in previous years (47 delegates across two days), this event provided a unique opportunity for networking and insights. We offered 26 sessions on a variety of topics including: Decolonising the curriculum for Initial Teacher Education; Promoting ocean literacy within the curriculum; Ofsted led sessions with both primary and secondary focus; and a session on supporting teachers to foster creativity in secondary and post 16 science.

knowledge, increasing confidence, motivation and enthusiasm. The majority of respondents also agreed they would like to attend a future event.

However, feedback also showed that a one day conference, rather than two would be more practical for delegates.

Evaluation surveys demonstrated that sessions were rated highly for promoting subject

Delegate feedback on sessions at Futures Conference



*Delegates were asked to rate learning experience, knowledge gained and wider impact of sessions on a scale of 1 to 5 where 1 represents "Strongly Disagree" and 5 represents "Strongly Agree".

ONLINE LEARNING

Maths for Teachers of A-level Biology

Now in its third phase of funding, this initiative aims to develop the capacities and confidence of biology teachers in their use of mathematics within the post 16 context, and to encourage more students to study Level 3 mathematics during the post-16 phase. The project is funded by the Department of Education in partnership with ASE and Mathematics in Education and Industry (MEI) as part of the Advanced Mathematics Support Programme (AMSP).

The most recent CPD course (nine 90 minute online sessions from November '22 to March '23) was fully booked with 56 participants.

"This course... has allowed me to gain confidence when explaining Maths in Biology to not only students but my colleagues too."

"Confidence improved and more ways to deliver the maths!"

"It has given me new ideas on how to introduce these mathematical topics to our biology students. "

"Thank you for some of the most useful training I've had in a while!"

"Most useful was learning how to think of the content from a maths perspective rather than science, using Desmos, having activities to complete and tasks to try back in the classroom."

ASE BEST Bites

This 18-month project (beginning September 2021) has two principal aims:

- to develop, as a proof of principle, three units of online continuing professional development (CPD) for teachers of science in upper primary and lower secondary schools, which is research-informed, topic-level and bitesized; and
- to evaluate the impacts of the CPD units in a sample of primary and secondary schools.

An introductory CPD unit and three CPD units (on living things, solutions and light) have been developed and are being piloted by teachers in six primary schools and 12 secondary schools. These schools have been identified as in challenging circumstances and not having previously engaged with the partner organisations.

These topics were chosen because they span the transition from primary to secondary school science, they can be challenging for teachers and learners in both primary and secondary schools, and we have identified a body of evidence in the research literature on common misunderstandings, useful teaching interventions and effective sequencing of key ideas to promote learning progression – particularly across the primary to secondary transition.

The project is funded by Wellcome Foundation legacy funding in partnership with the University of York Science Education Group and Centre for Industry Education Collaboration.

Evaluation will be carried out during FY23/24.

ASE JOURNALS

Together with our events, webinars and online learning, our family of journals offer members a wide variety of content that enhances subject and disciplinary knowledge, supports effective teaching strategies, looks in depth at new research and real world science, provides practical ideas and addressed hot topics this year such as climate change, STEM careers, drone technologies and clean energy.

In 2022/23, we produced over **166 articles** across School Science Review (in Depth and in Practice), Primary Science, Education in Science, Science Teacher Education, ASE International and the Journal of Emergent Science.

Support for Early Career Teachers

Many articles focus on supporting early career teachers as they transition from studying into the classroom. For example, Pete Robinson discussed approaches for teaching complex concepts (SSR April 23) and Joshua Piggot provided his insights into life as a new Primary Science Subject Leader (Primary Science June 23).

Inclusion in Science

A particular focus across our journals in **2022/23** has been to ensure science educators are supported in delivering science education that is inclusive and engaging for all. For example, Rachel Chataway-Green and Zoe Schnepf discussed the importance of chemistry practicals that are accessible to vision impaired students and described an inclusive olfactory titration experiment (SSR, Oct 22); Rachel Hartley discussed the Institute of Physics, 'Limit Less' campaign which aims to challenge stereotypes in physics careers (SSR, April 23); and, Laura Hobbs and Sarah Behenna wrote on how to engage children from under-represented groups with STEM using Minecraft to link with the UN sustainable development goals (Primary Science March 23).

Practical Tips and Ideas

We also shared a wealth of practical ideas including how to make effective speakers using fizzy drinks bottles, finding the wavelength of lights using LEDs instead of lasers, using energy sticks to bring physics to life and using forensic investigation in primary science.



ASE PUBLICATIONS

The Move Towards Digital Books Sales

In 2017, ASE acquired Millgate House Education, a publishing house that specialises in the publication of science education texts. Books are sold through an online book store, millgatehouse.co.uk and through Amazon.

Books sales were negatively affected by the COVID pandemic, in part due to less face to face events at which to sell books, but books sales continue to struggle in 2022/23, with sales at just £68,184 (2022: £88,038). However in **2022/23** we have seen an increase in demand for digital versions and we now produce a digital version for all publications, all available for sale through our bookshop.

The move to ensure we have a greater digital catalogue has allowed us to explore digital lending agreements with companies such as Gardners and EBSCO, to make our digital books available for sale to academic and institutional libraries under a Digital Lending Model.

Digital books are made available on pre-agreed license terms and help make our publications more widely available within the educational setting, and in turn hopefully more accessible to student teachers and educators.

We anticipate that digital versions will be made available via Gardners and EBSCO in 2023/24.

Award Winning Publications in 2022/23

We are pleased to have published a number of new publications in 2022/23 including: 'Discovering Science: Practical activities in biology, chemistry and physics', 'Stories for Science: It Might Come in Useful', 'Wow! But Why?' and 'Enquiring Explorers Fairground'.

In addition we are pleased that another ASE publication 'Saving the Planet one Science Lesson at a Time' received both a 'Highly Commended' in the STEM category of Teach Primary 2022 awards and the Global Dimension Teacher Choice Award 2023.

What people say about **Saving the Planet one Science Lesson at a time:**

"Lots of fabulous ideas, lesson plans and resources, easily accessible to all teachers, ready to use in class."

"Super useful for my sustainability themed science week!"





THE PROFESSIONAL REGISTERS

The Association for Science Education is proud to be a licensed body of the Science Council, able to administer Professional Registration to individuals who meet the application requirements for Registered Science Technician (RSciTech), Chartered Science Teacher (CSciTech) and Registered Scientist (RSci). Membership of the ASE and the activities, CPD, resources and support we provide is a pathway to chartered and registered status.

The awards are equivalent to a Masters level qualification and are highly regarded amongst science education professionals and educational leaders. Applicants must be active in science teaching and learning in the UK or overseas; this includes teachers and technicians in all state and independent schools, colleges and universities, as well as advisers, inspectors, consultants and researchers. Achieving chartered or registered status demonstrates a commitment to science education, indicates depth of knowledge and experience and sends a clear signal to employers, parents, governors and students alike that the holder of the award is a high competence science education professional.

In 2022/23, we received 24 applications for CSciTech, RSciTech and RSci.

Following a thorough review by independent assessors and our Registration Board, we awarded 7 CSciTech awards, 13 RSciTech and 0 RSci awards.

Science Council Awards

In November 2022/23, we were delighted to hear that five ASE members had been recognised in the Science Council's CPD Awards, either winning particular awards or receiving commendations. The Science Council's CPD Awards celebrate outstanding professional development in science. The awards showcase the achievements of registrants across the four registers: Registered Science Technician (RSciTech), Registered Scientist (RSci), Chartered Scientist (CSci) and Chartered Science Teacher (CSciTech). The following ASE members (three RSciTech and three CSciTech) were shortlisted for this year's Science Council CPD awards: Andrea Brown, Rachel Chilton, Jon Hale, Kulvinder Johal, Man Fung Lo and Laura Smith.



PROJECTS: INCLUSION IN SCHOOLS

ASE's Inclusion in Schools Programme is Department of Education funded and delivered in partnership with the STEM Learning Science SPD Partnership. In **2022/23** we worked with 99 secondary schools at whole-school level to create bespoke action plans to address priorities around inclusion. The project provides a wide range of CPD opportunities each school term, including commissioning experts in the field to lead webinars, as well as providing the conduit for schools to connect and share successes and challenges through network groups. An online hub provides resources. Articles are posted to that hub, along with films and case studies to support insights and further learning. Of the 99 schools engaged, 92 completed their action plans (achieving the KPI set by DfE).

The ASE Inclusion in Schools programme and the Institute of Physics' *Limit Less* campaign both aim to increase diversity in STEM by implementing whole-school equity plans. The IOP shared their objectives at a drop-in event at the Houses of Parliament in July (image below), hosted by Selaine Saxby MP, the ASE Inclusion team was on hand to demonstrate what a whole-school equity plan looks like in practice, and how a focus on inclusion can help to engage students who are underrepresented in STEM.

57 CPD Events

Live and on demand. On demand viewed more than 890 times.

305 teacher hours

Over 77 hours of CPD offered over a 17-month period: equating to over 305 teacher hours.

99% positive feedback

99% of feedback rated the CPD as 'good' or 'very good'.

15%

of schools have seen an increase in A-level Physics uptake.

29%

reported that inclusive careers provision had been improved by IIS.



PROJECTS: KEEPING SCIENCE PRACTICAL

Keeping Science Practical is crucial in the field of education and scientific learning. Not only is it engaging for students - stimulating curiosity and motivation, but it is vital for the application of theoretical knowledge, development of laboratory skills, data analysis, observation and other scientific disciplines. Yet many schools are struggling to deliver practical science classes for schools.

ASE's 'Keeping Science Practical' programme supports excellence in practical science in disadvantaged schools. This three-year programme, funded by the Wolfson Foundation, aims to increase student access to frequent, varied and purposeful practical science.

72 schools completed the programme over years 1 and 2. At the end of year 2, 88% of respondents in the evaluation survey agreed that 'purposeful practical science had increased as a result of project participation'. Science leader, teacher and technician focus groups reported that the support provided led to the production of practical science policies, targeted training, more practical science, improved engagement amongst pupils, and improved understanding

amongst teachers holding practical science sessions.

We are pleased that we have successfully signed up 50+ schools for year 3 which began in September 2023 and look forward to reporting further success in our next annual report.

"The ECT practical webinars are an amazing resource, filling a gap in training that is sorely needed."

"The ECT training has been invaluable as there is no practical training for ECTs past that which the school can provide."

"Students have benefitted indirectly and directly through the CPD by an improved understanding of practical work and how it fits in to their science lessons and also by DOING more practical work, particularly in some lessons."

"Better informed ECTs and safer practicals."

"The main achievement has been getting staff and students talking about how to do practical work and safely."



PROJECTS: KEY MOMENTS IN HISTORY AND SCIENCE

We have over 3,200 resources and activities on our website to support teachers in the classroom. One of our most exciting projects is the **Award Winning film, Sea Dragon** which tells the story of Mary Anning, the fossil hunter. This exciting work, funded by the Templeton Foundation explores how a multidisciplinary approach (e.g. through different formats i.e. film, worksheets, drama) and through different subject areas (e.g. history and science) can help to embed and enhance learning.

Following submission of a final report this year, indicating positive impact on both teachers (including early career, experienced teachers and science leaders) and their pupils (aged 9-11 years), the Foundation has offered significant additional funding to amplify the reach and impact of this internationally recognised project. This includes a collaboration with the Museo de Ciencias, Universidad de Navarra and the Col·legi Oficial Doctors, Llicenciats en Filosofia in Ciències de Catalunya. We are currently planning our strategy and programme of work, which will include working closely with a PR advocacy company, with the Foundation.

"This film provides a clever, entertaining and moving way to learn about Mary Anning's remarkable story. It is sure to inspire young people to find out more about her and maybe even follow in her footsteps, looking for fossils out on the Jurassic Coast."

Tracy Chevalier, internationally acclaimed author of Remarkable Creatures, on the life of palaeontologist Mary Anning.



ACTIVITIES AND IMPACT: ADVOCACY

ASE is highly regarded as an authority on what constitutes excellence in science education. We draw on our wealth of expertise and our collective knowledge to shape and inform policy at national and regional level. In 2022/23 we have worked both independently and in partnership to inform policy across Westminster and Whitehall as well as the devolved nations.

In April 2023, the Education Committee published their report on the future of post-16 qualifications - we were pleased to see that the report references the joint submission by ASE, IOP, RSB and RSC submitted in March 2022 regarding regional concerns related to T levels and placements in paragraph 78. In June, SEPA submitted further evidence to the Education for 11-16 year olds Committee on grading severity in the sciences and inter-subject comparability. The evidence submission raised the issue of science subjects being graded more severely than other subjects such as English and art, which contributes to fewer students choosing the sciences and mathematics post-16.

In April, we commissioned a survey to capture how teachers and providefrs felt about the recent ITT reaccreditation. The survey was informed by members of the SEPA teaching thematic group. The results of the survey were used to inform the individual responses of the SEPA organisations to the HoC Education Committee consultation.

ASE, independently and as part of the Learned Societies Group in Scotland, responded in April, to plans to re-introduce coursework and examinations for practical subjects that were removed from the assessment of National 5, Higher and Advanced Higher subjects during the Covid-19 pandemic. We have also responded to consultations on the reform of Education Scotland and Scottish Qualifications authority.

In June, Qualifications Wales published their decisions regarding new qualifications for sciences in Wales. The announcement introduced a new single award that will be offered to learners who may not be able to complete the double award. The new GCSEs are due to be launched in September 2025. ASE, IOP, RSB and RSC published statements in response stating their concern behind the decision to introduce a new single-award GCSE alongside the double award. The SEPA organisations feel that this new development will create an unequal system and limit potential and opportunities for young people. Meetings are being arranged with Qualifications Wales, WJEC and Welsh Government to further explore the single award GCSE and guidance that will be shared with school on the new GCSE options.

SEPA organisations have been meeting as part of a Subject Matters roundtable, with joint messaging agreed in 2022. ASE, IOP, RS, RSB and RSC met with STEM Learning in July, to discuss influencing manifestos and adapting the messaging ahead of next year's general election. IOP will convene another roundtable meeting as a follow up.

In March, ASE responded to the House of Commons' Diversity and Inclusion in STEM report and offered recommendations to achieve the ambitions that are needed for young people of all backgrounds.

In addition to this proactive work to help shape science education in the UK, we are also representative on a wide number of stakeholder groups and forums such as the expert advisory group to the Education Endowment Foundation for the (recently published) Improving Primary Science guidance.

PARTNERSHIPS

We work with a wide range of partners from education, academia, science and industry. Partners include CLEAPSS, Gatsby Foundation, Institute of Physics (IoP), Ogden Trust, Primary Science Teaching Trust, Primary Science Quality Mark (PSQM), Mathematics in Education and Industry (MEI), The Royal Society, Royal Society of Biology (RSB), Royal Society of Chemistry (RSC), STEM Learning and SSERC to name just a few.

We also work with numerous universities including the University of Hertfordshire, University of Manchester, University of Sheffield and the University of York, as well as many other charities, associations, exam boards, foundations, companies and learned societies.

Our DfE funded work with MEI on the Advanced Mathematics Support Programme (AMSP) which aims to develop the capacities and confidence of biology teachers in their use of mathematics within the post-16 context, and to encourage more students to study Level 3 mathematics during the post-16 phase.

We have worked with Patana International School on their ASE Asia conference (pictured below) which took high quality training and practical workshops to over 150 delegates from across 40 international schools in the SE Asia region.

ASE were also the UK partner for Horizon 2020's Science Education for Action and Engagement towards Sustainability (SEAS) programme which established six open schooling networks led by universities and science centres, with partners in Austria, Belgium, Estonia, Italy, Norway, Sweden and the UK. The final report found that open schooling approaches help to build awareness and to equip young people with the tools and confidence to navigate real work challenges. We are now working to amplify and disseminate these approaches across our membership.



ORGANISATIONAL SUSTAINABILITY

Tackling falling membership numbers

Membership of the ASE has declined over a number of years - caused by the changing dynamics of the teaching workforce, the growth in freely available CPD and classroom resources, and more recently by the high cost of membership and the cost of living crisis. Whilst ASE is not alone in experiencing declining membership numbers, we felt we could do more to ensure that our membership is as accessible as possible and that the membership offer represented clear value for money. In March Trustees agreed to simplify and reduce membership subscriptions to ensure ASE's services were more affordable for all. It was agreed that we would remove the numerous types of individual membership and offer a flat-rate membership structure. This inclusive pricing model is designed to break down barriers and make membership more affordable and greater value for money. We introduced a half-price membership for Laboratory Technicians and retired members and are proud to offer free membership to Trainee Teachers. The new membership model will be launched on the 1st September 2023.

Improving committee governance

In 2022/23, we introduced new terms of reference and standard clauses for all Committees and SIGs to provide greater clarity of purpose, cross committee engagement and diversity. We allocated personnel to support the administration of committees and groups to free up members' time to focus on strategy, CPD and advocacy rather than administration.

Making financial savings

We worked throughout the year to make cost savings on print, publications and IT. We also appointed new auditors and are negotiating a new lease on smaller premises. In 2022/23 we consulted on proposals to restructure the staff team to align with charitable objectives and to save costs. The new staff structure will be implemented in September 2023.

Future strategy

In May, the committees and groups met together at St Mary's University in Twickenham to discuss a future strategy for the Association. Together, we looked at the needs and priorities of the science education workforce in the UK and how we as an organisation are uniquely placed to support them. These discussions have fed into Trustees discussions and will be used to inform the final strategy due to be launched in 2024.



OUR FUTURE PLANS

Science education as we've outlined has never been more important and those that deliver it never in more demand or under such pressure. Science as a field of study is evolving faster than ever - and science education and science educators are under tremendous pressure to keep pace. ASE is committed to supporting the science education workforce to meet these challenges.

As we enter the final year of our current strategic plan our priorities will continue to focus on our community of support, professional development offer, advocacy and curriculum innovation, whilst working to achieve greater financial stability.

In particular, in 2023/24 we will:

- Launch a **new membership structure** that helps to make membership more affordable to all and strengthens our community
- Build a programme of **wrap around professional development activities** that offers our members a more tailored approach to their life long learning journey.
- Continue to champion **the importance of practical science** through CPD,

- Continue to promote **inclusive practices** in science and schools such that all learners whatever their background feel inspired and engaged by science, engineering, technology and maths.
- Amplify and grow the reach of our **innovative Mary Anning Resources**.
- Build a **programme of support for our early career teachers and trainees** as they embark on those crucial first years in teaching.
- Support our regions to more effectively support their **local science education community**.
- Launch a new contemporary look to ASE.

We will continue to look at ways in which we can build our financial sustainability, further streamlining activities and costs. We acknowledge that 2023/24 will be a challenging year as we transition to a new staff structure and absorb the loss of income from lower subscriptions. However we are confident that reducing the barrier to entry and refocusing our efforts on our core charitable objectives will in the medium term lead to a stronger association.



FROM THE HONORARY TREASURER

This has been a year of change for the Association, with the appointment of Lynn Ladbrook as Chief Executive in October 2022. In her first year of appointment Lynn has focused on the sustainability of all aspects of the Association starting with a review of the membership structure. Further reviews will take place including staffing, journal and book production and regional support. We have worked hard to make savings to ensure a more efficient and effective organisation, whilst making sure that we continue to provide the services our members want. The impact of these changes and other future proposals will be more apparent in 2023/24 and beyond.

The strategic plan with its threads of Community, Professional development and Advocacy continues to provide a major tool in informing and supporting the financial planning of the Association. This is used in conjunction with regular risk assessments. The decision to significantly reduce member fees in September 2023 was a financial risk which was carefully assessed. The long-term vision is to attract more members and so ensure the financial sustainability of the Association.

Throughout the year, Laura Rafferty (Director of Finance and Operations) has continued to provide excellent support for myself and the trustee body. Laura and I meet regularly to discuss financial matters and Laura provides detailed accounts and notes for each Trustee meeting. Reporting is timely and transparent, and Trustees have sufficient information to assess financial risks and make decisions accordingly.

To summarise the year:

Income

Conference and business development income have risen, with other areas falling. A review of the composition of our income highlights one key risk - our dependence on project income which may be difficult to sustain.

Expenditure

There have been savings in a number of areas including staffing, journals, premises and other support costs and cost control will continue to be a focus for the coming financial year.

We have a small unrestricted deficit for the year of £25,029, with £190,848 in unrestricted reserves. Our aim is to build our reserves level over the next few years. For further details on our reserves see page 23.

The next few years are going to be challenging for all of us, trustees, members and staff. I have great faith in the future of the Association and I know that everyone will pull together to provide the synergy we need to sustain it into the future.



Susie Burr

DR SUSAN BURR

HONORARY TREASURER

“I have great faith in the future of the Association and I know that everyone will pull together to provide the synergy we need to sustain it into the future.”

FINANCIAL REVIEW

The Trustees present their annual report and consolidated financial statements for the year ended 31st July 2023.

The financial statements have been prepared in accordance with the accounting policies set out in note 1 to the financial statements and comply with the Charity's constitution, the Charities Act 2011, the Charities and Trustee Investment (Scotland) Act 2005, regulation 8 of the Charities Accounts (Scotland) Regulations 2006 and Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS102) (effective 1st January 2019).

Public benefit

The trustees have complied with the duty in section 17 of the Charities Act 2011 to have due regard to public benefit guidance issued by the Charity Commission.

Objects and activities

Objects

The objects of the Association are to promote education by the following means:

- (a) improving the teaching of science; and
- (b) providing an authoritative medium through which opinions of teachers of science may be expressed on educational matters; and
- (c) affording means of communication among all persons and bodies of persons concerned with the teaching of science in particular and education in general.

Activities

The Rules of the Association provide for the promotion of its objects by:-

- (a) holding general and other meetings; and
- (b) publishing journals and other literature including literature in electronic formats concerned with the teaching of science and ancillary matters; and
- (c) establishing and maintaining of a centre or centres of administration and of information on any aspect of science education; and
- (d)-(h) the administration of the Chartered Science Teacher award, CSciTeach including the register thereof and associated standards, admissions, removals disciplinary matters and appeals, and
- (i) such other means as the Association may from time to time determine and as may be consistent with the charitable objects of the Association.

Structure, governance and management

The Association is governed by its Royal Charter (dated 13th October 2004) and associated By-laws (updated and approved by the Privy Council October 2012) and Rules of the Association (as adopted at the Annual General Meeting in January 2006 and amended most recently in January 2021).

The Trustee Body of the Association is responsible for all governance issues and the Education Group, comprised of elected members of the Association, is concerned with issues related to ASE's work in science education.

The Trustee Body

Trustees have responsibility for ensuring that ASE complies with relevant charity laws and regulations, that the finances are properly regulated and monitored and that appropriate policies are in place. The Trustees ensure that the activities of the Association fit with the Strategic Plan and take a long-term view of the health of the Association.

The Trustee body consists of:

- three members elected from the Education Group of the Association
- three members elected from the membership by direct vote
- four further members appointed by Trustee body
- the Chair of the Association (may be delegated to the past-Chair of the Association)

One Trustee is nominated to represent Trustees on the Quality and Audit Committee. A Chair of Trustees and a vice Chair is elected from and by the Trustee members. The Chair-Elect and Immediate Past Chair of the Association may attend meetings of the Trustee Body and may participate in Trustee discussions both at and between meetings.

Induction and training of Trustees

New Trustees are provided with a full information pack including Code of Conduct and various policies. They take part in training on functions such as charity finance, EDI and the responsibilities of trustees. On-going training consists of the circulation of Charity Commission updates and training on aspects of the Trustee's role.

Membership

Membership numbers as at July 2023:

Individual: 2,935 (2022: 3,155)

Organisations: 780 (2022: 909)

Total Members: 3,715 (2022: 4,062)

Total Subscribers: 5,115 (2022: 6,028)

The Trustees are responsible for the direction and management of the Association through its Strategic Plan. Key responsibilities include ensuring a clear vision, the corporate behaviour of the charity, legal and regulatory governance, compliance, guardianship of assets and ensuring high standards of governance. The Trustee body meets on four occasions during the year.

Trustees who served during the year and up to the date of approval of these financial statements are listed below: -

Ali Redmore (Chair): Appointed by Membership (Retired July 23)

Manoj Chitnavis: Appointed by Membership (Chair from August 2023)

Susan Burr: Elected by Membership**

Daniel Sandford Smith: Elected by Membership (Retired July 2023)

Geoff Mackey: Elected Member

Bryan Berry: Appointed Member

Olivia Bussey: Appointed Member (Appointed Aug 23)

Maggie Hannon: Appointed Member*

Cerian Ayres: Elected by Education Group

Leigh Hoath: Elected by Education Group (Co Chair of the Association from Sept 2023)

Helen Harden: Elected by Education Group Chair of the Association (appointed 1st August 2022 - July 2023)

Also in attendance:

Alex Sinclair - Co-Chair of the Association (From August 2023)

Jane Turner: Immediate Past Chair of the Association (Retired July 2023)

Jane Oldham - Chair Elect of the Association from Sept 2023 (Observer)

*Trustee rep on Q&A Committee

**Treasurer

Key management personnel

The Trustee Body and the Chief Executive are the key management personnel. In May 2022, after three years as CEO, Hannah Russell announced her intention to step down to join the British Science Association as its CEO. After a competitive appointment process, the Trustees appointed Lynn Ladbrook, an experienced CEO with a background in membership and charitable organisations.

The Chair and the Chief Executive are in regular contact to discuss ongoing matters and full reports from the Chief Executive are discussed at meetings of the Trustee Body including all matters relating to activities, finance, budgeting, strategy and future planning. The Chief Executive is subject to an annual development review by the ASE Chair and Treasurer who advise the remuneration committee of proposed awards which are then ratified by the Trustee Body.

Financial review

The financial position of the charity and the group is set out in the financial statements, including principal sources of funding and resources expended. The financial statements have been prepared in accordance with the accounting policies set out in the notes, the requirements of the Trust Deed and the Charities SORP (FRS 102) and comply with current statutory requirements. More detail on the ASE's financial performance for the year and its principal sources of income is given in the Honorary Treasurer's annual report on page 21.

Going concern

As stated in note 1b the Trustees have considered going concern. As detailed in note 1b, the Trustees have a reasonable expectation that the Charity has adequate resources to continue in operation for the foreseeable future and therefore continue to adopt the going concern basis of accounting.

Risk assessment

The Trustees have assessed the risks to which the Charity may be exposed. A risk register is produced quarterly by the Chief Executive and Director of Finance and Operations which sets out the main operational, finance and compliance risks facing the Association. Key risks are currently identified as declining membership which will result in a loss of reach and impact as well as loss of income. Mitigating actions have been taken after discussions with the Board of Trustees, and these include measures to reduce costs with savings made on print, publications, IT, staff and audit fees. To ensure membership is more affordable for all we have also taken the decision to reduce membership subscriptions from September 23 as explained elsewhere in this report.

Reserves policy

Total consolidated reserves as at 31st July 2023 are £340,051 (2022: £348,274). Of these £149,203 are restricted (2022: £132,397). Nearly all amounts in restricted funds will be spent on projects in the year ahead (see note 18a for further details). It is the policy of the Trustees to maintain unrestricted reserves at three months running costs plus the costs of an orderly wind-down of the organisation. At the time of writing this amounts to approximately £210,000. Total consolidated unrestricted reserves as at 31st July 2023 were £190,848 (2022: £215,877). Trustees acknowledge the reduction in reserves and continue to review measures to generate income and make further financial efficiencies. These include further streamlining publications, reducing costs on premises and reaching out to a more diverse pool of funders to support our work.

Key investment policy

Monies are currently held in an interest-bearing deposit account.

STATEMENT OF TRUSTEES' RESPONSIBILITIES

The Trustees are responsible for preparing the report of the Trustees 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 and in Scotland 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 the group and of the incoming resources and application of resources of the group 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 Statement of Recommended Practice (SORP);
- make judgments and estimates that are reasonable and prudent;
- state whether applicable United Kingdom 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 and group will continue in operation.

The Trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the charity and the group and enable them to ensure that the financial statements comply with the Charities Act 2011, the Charity (Accounts and Reports) Regulations 2008, the Charities and Trustee Investment (Scotland) Act 2005, the Charities Accounts

(Scotland) Regulations 2006 and the provisions of the charity's constitution. They are also responsible for safeguarding the assets of the charity and group and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Disclosure of information to auditor

Each of the Trustees has confirmed that there is no information of which they are aware which is relevant to the audit, but of which the auditor is unaware. They have further confirmed that they have taken appropriate steps to identify such relevant information and to establish that the auditor is aware of such information.

Auditor

Goldwins were appointed as new auditors to the charity in June 2023. A resolution proposing that they be re-appointed will be put to the next Annual General Meeting.

On behalf of the Trustee Body



Manoj Chitnavis
Chair of Trustees

Dated: 16th March 2024

INDEPENDENT AUDITOR'S REPORT FOR THE YEAR ENDED 31ST JULY 2023

Opinion

We have audited the financial statements of The Association for Science Education (the 'Charity') for the year ended 31 July 2023 which comprise the consolidated Statement of Financial Activities, the group and parent Charity's Balance Sheets, group's statement of cash flows and notes to the financial statements, including a summary of significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102: The Financial Reporting Standard applicable in the UK and Republic of Ireland (United Kingdom Generally Accepted Accounting Practice).

In our opinion, the financial statements:

- give a true and fair view of the state of the group's and charity's affairs as at 31 July 2023 and of its income and expenditure for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice;
- have been prepared in accordance with the requirements of the charity's Royal Charter, the Charities and Trustee Investment (Scotland) Act 2005 and regulation 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended) and Charities Act 2011.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the Charity in accordance with the ethical requirements that

are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charitable company's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The trustees are responsible for the other information. The other information comprises the information included in the annual report other than the financial statements and our auditor's report thereon. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon. In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial

statements or our knowledge obtained in the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether there is a material misstatement in the financial statements or a material misstatement of the other information. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

In the light of the knowledge and understanding of the Charity and environment obtained in the course of the audit, we have not identified material misstatements in the Trustees' Annual Report.

We have nothing to report in respect of the following matters in relation to which the Charities Act 2011 or the Charity Accounts (Scotland) Regulations 2006 (as amended) requires us to report to you if, in our opinion:

- sufficient accounting records have not been kept;
- the financial statements are not in agreement with the accounting records and returns; or
- we have not obtained all the information and explanations necessary for the purposes of our audit.

Responsibilities of the trustees

As explained more fully in the trustees responsibilities statement, the trustees are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as they determine is necessary to enable the preparation of financial statements

that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the trustees are responsible for assessing the Charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the Charity or to cease operations, or have no realistic alternative but to do so.

Our responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud. The extent to which our procedures are capable of detecting irregularities, including fraud are set out below.

Capability of the audit in detecting irregularities

In identifying and assessing risks of material misstatement in respect of irregularities, including fraud and non-compliance with laws and regulations, our procedures included the following:

- We enquired of management, which included obtaining and reviewing supporting documentation, concerning the charity's policies and procedures relating to:
 - Identifying, evaluating, and complying with laws and regulations and whether they were aware of any instances of non-compliance;
 - Detecting and responding to the risks of fraud and whether they have knowledge of any actual, suspected, or alleged fraud;
 - The internal controls established to mitigate risks related to fraud or non-compliance with laws and regulations.
- We inspected the minutes of meetings of those charged with governance.
- We obtained an understanding of the legal and regulatory framework that the charity operates in, focusing on those laws and regulations that had a material effect on the financial statements or that had a fundamental effect on the operations of the charity from our professional and sector experience.
- We reviewed the financial statement disclosures and tested these to supporting documentation to assess compliance with applicable laws and regulations.
- We performed analytical procedures to identify any unusual or unexpected relationships that may indicate risks of material misstatement due to fraud.
- In addressing the risk of fraud through management override of controls, we tested the appropriateness of journal entries and other adjustments, assessed whether the judgements made in making accounting estimates are indicative of a potential bias and tested significant transactions that are unusual or those outside the normal course of business.

Because of the inherent limitations of an audit, there is a risk that we will not detect all irregularities, including those leading to a material misstatement in the financial statements or non-compliance with regulation. This risk increases the more that compliance with a law or regulation is removed from the events and transactions reflected in the financial statements, as we will be less likely to become aware of instances of non-compliance. The risk is also greater regarding irregularities occurring due to fraud rather than error, as fraud involves intentional concealment, forgery, collusion, omission or misrepresentation.

A further description of our responsibilities is available on the Financial Reporting Council's website at:

www.frc.org.uk/auditorsresponsibilities. This description forms part of our auditor's report.

Use of our report

This report is made solely to the Charity's trustees, as a body, in accordance with the charity's Royal Charter, section 144 of the Charities Act 2011 and the regulations made under section 154 of that Act, regulation 10 of the Charities Accounts (Scotland) Regulations 2006 (as amended) and under Section 44(1) (c) of the Charities and Trustee Investment (Scotland) Act 2005. Our audit work has been undertaken so that we might state to the Charity's 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 Charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Goldwins

Dated: 16th March 2024

Goldwins Limited
Chartered Accountants
Statutory Auditor
75 Maygrove Road
London
NW6 2EG

Goldwins Limited is eligible for appointment as auditors of the charity by virtue of its eligibility for appointment as auditors of a company under section 1212 of the Companies Act 2006.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES FOR YEAR ENDING 31ST JULY 2023

		Unrestricted	Restricted	2023 Total	2022 Total
	Note	£	£	£	£
Income from:					
Donations and legacies	3	3,013	-	3,013	39,740
Charitable activities	4	780,775	712,825	1,493,600	1,701,727
<i>Other income</i>					
Government Grants	5	-	-	-	5,080
<i>Other trading activities</i>					
Sponsorship and advertising	6	66,334	-	66,334	75,381
Investments	7	3,328	-	3,328	150
Total income		853,450	712,825	1,566,275	1,822,078
Expenditure on:					
<i>Raising funds:</i>					
Sale of educational materials	8a/b	95,278	-	95,278	105,316
Charitable activities	8a/b	783,201	696,019	1,479,220	1,601,045
Total expenditure		878,479	696,019	1,574,498	1,706,361
Net income / (expenditure) for the year and net movement in funds	9	(25,029)	16,806	(8,223)	115,717
Reconciliation of funds:					
Total funds brought forward at 1st August		215,877	132,397	348,274	232,557
Total funds carried forward at 31st July		190,848	149,203	340,051	348,274

All of the above results are derived from continuing activities.
 There were no other recognised gains or losses other than those stated above.
 The attached notes form part of these financial statements.

CHARITY STATEMENT OF FINANCIAL ACTIVITIES FOR YEAR ENDING 31ST JULY 2023

		Unrestricted	Restricted	2023 Total	2022 Total
					see Note 2b
	Note	£	£	£	£
Income from:					
Donations and legacies	3	3,013	-	3,013	39,740
Charitable activities	4	712,592	712,825	1,425,417	1,613,689
<i>Other income</i>					
Government Grants	5	-	-	-	5,080
<i>Other trading activities</i>					
Sponsorship and advertising	6	66,334	-	66,334	75,381
Investments	7	3,328	-	3,328	150
Total income		785,267	712,825	1,498,092	1,734,040
Expenditure on:					
<i>Raising funds:</i>					
Primary purpose trading activities	8	95,278	-	95,278	105,316
Charitable activities	8	706,265	696,019	1,402,284	1,549,789
Total expenditure		801,543	696,019	1,497,562	1,655,105
Net income / (expenditure) for the year and net movement in funds	9	(16,276)	16,806	530	78,935
Reconciliation of funds:					
Total funds brought forward at 1st August		233,261	132,397	365,658	286,723
Total funds carried forward at 31st July		216,985	149,203	366,188	365,658

All of the above results are derived from continuing activities.
 There were no other recognised gains or losses other than those stated above.
 The attached notes form part of these financial statements.

CONSOLIDATED AND CHARITY BALANCE SHEETS AS AT 31ST JULY 2023

		Group 2023	Group 2022	Charity 2023	Charity 2022
	Note	£	£	£	£
Fixed assets:					
Investment in Subsidiary	12	-	-	-	-
		-	-	-	-
Current assets:					
Stock	13	17,825	26,145	-	-
Debtors	14	151,308	307,666	337,809	430,735
Cash at bank and in hand		427,232	387,694	282,602	304,909
		596,365	721,505	620,411	735,644
Liabilities					
Creditors: amounts falling due within one year	15	(256,314)	(373,231)	(254,223)	(369,986)
Net current assets		340,051	348,274	366,188	365,658
Total net assets		340,051	348,274	366,188	365,658
Funds					
Restricted funds	16, 17,18	149,203	132,397	149,203	132,397
Unrestricted funds:					
General funds		190,848	215,877	216,985	233,261
Total funds		340,051	348,274	366,188	365,658

Approved by the trustees on 16th March 2024



Manoj Chitnavis
Trustee

The attached notes form part of the financial statements

CONSOLIDATED STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 31ST JULY 2023

	Note	2023 £	2023 £	2022 £	2022 £
Cash flows from operating activities:					
Net cash provided by / (used in) operating activities	20		42,866		(1,611)
Cash flows from investing activities:					
Interest receivable		(3,328)		(150)	
Cash provided by / (used in) investing activities			(3,328)		(150)
Change in cash and cash equivalents in the year			39,538		(1,761)
Cash and cash equivalents at the beginning of the year			387,694		389,455
Cash and cash equivalents at the end of the year	20		427,232		387,694

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST JULY 2023

1 Accounting policies

a) Basis of preparation

The financial statements have been prepared in accordance with the charity's Rules of Association, the Charities Act 2011, the Charities and Trustee Investment (Scotland) Act 2005, the Charities Accounts (Scotland) Regulations 2006 (as amended) and "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1st January 2019)".

The charity and group meet the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy or note.

b) Going concern

We have set out in the Trustees' Report a review of financial performance and the charity's reserves position. Unrestricted reserves at the end of July 2023 are closer to our target reserves position and further work is being done to improve the position.

In common with other membership organisations, the Association for Science Education relies upon membership subscriptions, publishing income and events for a substantial part of its annual income. Taking a prudent view of this income, the trustees have prepared cash flow projections for the period to March 2024, which show that the charity would be able to continue in operation for that period. Accordingly, the trustees consider that there are no material uncertainties about the charity's or the group's ability to continue as a going concern for the foreseeable future. Thus the trustees continue to adopt the going concern basis of accounting in preparing the financial statements.

c) Basis of consolidation

These financial statements consolidate the results of the charity and its wholly-owned subsidiary Millgate House Education Limited on a line by line basis. Transactions and balances between the charity and its subsidiary have been eliminated from the consolidated financial statements. Balances between the companies are disclosed in the note to the charity's balance sheet.

d) Income

Incoming resources are recognised in the period in which the group is entitled to receive them and the amount can be measured with reasonable certainty and it is probable that income will be received. Income is deferred only when the group has to fulfil conditions before becoming entitled to it or where the donor or funder has specified that the income is to be expended in a future accounting period.

1. Accounting policies continued

Grants from the government and Trusts and Foundations have been included as income from activities in furtherance of the group's objectives where these amount to a contract for services, but as donations where the money is given in response to an appeal or with greater freedom of use, for example, monies for core funding.

Investment income is accounted for on an accrual basis.

e) Expenditure

Expenditure is included in the statement of financial activities when incurred and includes attributable VAT which cannot be recovered.

Expenditure comprises the following:

- a. Expenditure on charitable activities comprises monies spent on the charity's primary charitable purposes as described in the Trustees' report. It also includes appropriately apportioned salary costs and support costs (see note 8).
- b. The costs of raising funds comprises the expenditure incurred in primary purpose trading activities by the charity and consists of salaries, direct costs and overheads.
- c. Support costs represent indirect charitable expenditure. In order to carry out the primary purposes of the group it is necessary to provide support in the form of financial procedures, provision of office services and equipment and a suitable working environment. Salary costs have been allocated based on staff time.

f) Fixed assets

Tangible

Assets costing in excess of £1,000 and with an expected useful life exceeding one year are capitalised.

Depreciation is charged on these assets at the following annual rates in order to write them off over their estimated useful lives:

Computer and other equipment/software	25% straight line
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g) Investments

Investment in the subsidiary company is stated in the charity at cost.

h) Stocks

Stocks are valued at lower of cost and net realisable value after making due allowance for obsolete and slow-moving items. Cost includes all expenditure in bringing stock to their present location and condition.

Net realisable value is based on estimated selling price less the anticipated costs to sell.

1. Accounting policies continued

i) Leased assets

Rentals applicable to operating leases where substantially all of the benefits and risks of ownership remain with the lessor are charged to the statement of financial activities on a straight line basis over the life of the lease.

Assets purchased under hire purchase agreements are capitalised as fixed assets. Obligations under such agreements are included in creditors. Charges are written off to the SOFA over the period of the agreement so as to produce a constant periodic rate of charge.

j) Fund accounting

The unrestricted fund comprises those monies which may be used towards meeting the charitable objectives of the group and which may be applied at the discretion of the Trustees.

The restricted funds are monies granted for, and their use restricted to, a specific purpose, or donations subject to donor-imposed conditions.

k) Pensions

The Association operates a defined contribution group personal pension for employees. The funds are managed by Scottish Widows and contributions are paid monthly by direct debit and charged to the Statement of Financial Activities (SOFA) as incurred.

l) Financial Instruments

The Charity has elected to apply the provisions of Section 11 'Basic Financial Instruments' and Section 12 'Other Financial Instruments Issues' of FRS 102 to all of its financial instruments. The Charity only has financial assets and financial liabilities of a kind that qualify as basic financial instruments. Basic financial instruments are recognised as the amount payable or receivable when the instrument is first recognised together with any subsequent transaction costs but modified in respect of trade debtors for an assessment of potential bad debt.

m) Critical Accounting estimates and judgements

In the application of the Charity's accounting policies, the Trustees are required to make judgements, estimates and assumptions about the carrying amount of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates. The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised where the revision affects only that period, or the period of the revision and future periods where the revision affects both current and future periods. The Trustees believe there are no critical estimates or judgements relevant to the financial statements.

2a Detailed comparatives for the consolidated statement of financial activities

	2022	2022	2022
	Unrestricted	Restricted	Total
	£	£	£
Income from:			
Donations and legacies	39,740	-	39,740
Charitable activities	726,495	975,232	1,701,727
<i>Other income</i>			
Government Grants	5,080	-	5,080
<i>Other trading activities</i>			
Sponsorship and advertising	75,381	-	75,381
Investments	150	-	150
Total income	846,846	975,232	1,822,078
Expenditure on:			
Raising funds:			
Sale of educational materials	105,316	-	105,316
Charitable activities	732,078	868,967	1,601,045
Total expenditure	837,394	868,967	1,706,361
Net income / (expenditure) for the year and net movement in funds	9,452	106,265	115,717
Reconciliation of funds:			
Total funds brought forward at 1 August	206,425	26,132	232,557
Total funds carried forward at 31 July	215,877	132,397	348,274

2b Detailed comparatives for the Charity statement of financial activities

	2022	2022	2022
	Unrestricted	Restricted	Total
	£	£	£
Income from:			
Donations and legacies	39,740	-	39,740
Charitable activities	638,457	975,232	1,613,689
<i>Other income</i>			
Government Grants	5,080	-	5,080
<i>Other trading activities</i>			
Sponsorship and advertising	75,381	-	75,381
Investments	150	-	150
Total income	758,808	975,232	1,734,040
Expenditure on:			
<i>Raising funds:</i>			
Sale of educational materials	105,316	-	105,316
Charitable activities	680,822	868,967	1,549,789
Total expenditure	786,138	868,967	1,655,105
Net income / (expenditure) for the year and net movement in funds	(27,330)	106,265	78,935
Reconciliation of funds:			
Total funds brought forward at 1 August	260,591	26,132	286,723
Total funds carried forward at 31 July	233,261	132,397	365,658

3. Income from donations and legacies

	2023	2022
	Unrestricted	Unrestricted
	£	£
Individual donations	3,013	7,824
Legacies	-	31,916
	3,013	39,740

4. Income from charitable activities

	2023	2022
	Total	Total
	£	£
<i>Unrestricted income</i>		
Member subscriptions	404,096	456,181
Sales of publications and journals	132,408	161,241
Conference and workshop income	184,048	89,376
Income from sponsored projects	60,223	19,697
	780,775	726,495
<i>Restricted Income</i>		
Income from sponsored projects	712,825	975,232
Total income from charitable activities	1,493,600	1,701,727

Included above is £68,183 (2022: £88,038) sales of publications and journals relating to the subsidiary company. The charity only total is £1,425,417 (2022: £1,613,689).

5 Government grants

The group received £nil (2022: £5,080) from the government's Coronavirus Job Retention Scheme in the year. Included is £nil (2022: £nil) relating to the subsidiary company.

6. Income from other trading activities

	2023	2022
	Unrestricted	Unrestricted
	£	£
Advertising and sponsorship	66,334	75,381
	66,334	75,381

Income is from journal and conference advertising and sponsorship and is all primary purpose trading.

7. Investments

	2023	2022
	Total	Total
	£	£
Bank Interest	3,328	150
	3,328	150

8a Analysis of expenditure year ended 31st July 2023

	Staff costs	Other costs	2023 Total
	£	£	£
Raising funds			
Sale of educational materials	74,873	20,405	95,278
<i>Charitable Activities:</i>			
<i>the promotion and improvement of the teaching of science:</i>			
Members registration and services	67,611	17,966	85,577
Book sales	37,915	39,019	76,934
Journal expenditure	25,534	72,394	97,928
Conferences and other CPD	56,279	122,283	178,562
Regional expenses	74,426	7,630	82,056
Advocacy & other projects	42,333	9,504	51,837
Support costs	84,997	83,634	168,631
Governance costs	28,876	12,800	41,676
Restricted project expenditure (see note 18a and 18b)	302,254	393,765	696,019
Total expenditure 2023	795,098	779,400	1,574,498
Restricted expenditure	302,254	393,765	696,019
Unrestricted expenditure	492,844	385,635	878,479
Total expenditure 2023	795,098	779,400	1,574,498

Included above is £76,936 book sales related to the subsidiary company. The charity's only expenditure on raising funds and charitable activities is £1,497,562.

Non-staff related support costs of £83,635 consist of premises costs, insurance, bank fees and other professional fees and subscriptions

8b Analysis of expenditure year ended 31st July 2022

	Staff costs	Other costs	2022 Total
	£	£	£
Raising funds			
Sale of educational materials	83,626	21,690	105,316
<i>Charitable Activities:</i>			
<i>the promotion and improvement of the teaching of science:</i>			
Members registration and services	43,002	24,222	67,224
Book sales	42,656	58,601	101,257
Journal expenditure	45,709	103,453	149,162
Conferences and other CPD	54,817	53,530	108,347
Regional expenses	75,800	405	76,205
Advocacy & other projects	15,843	15,868	31,711
Support costs	59,177	99,938	159,115
Governance costs	24,712	14,345	39,057
Restricted project expenditure (see note 18a and 18b)	397,848	471,119	868,967
Total expenditure 2022	843,190	863,171	1,706,361
Restricted expenditure	397,848	471,119	868,967
Unrestricted expenditure	445,342	392,052	837,394
Total expenditure 2022	843,190	863,171	1,706,361

Included above is £101,257 book sales expenditure related to the subsidiary company. The charity only expenditure on raising funds is £105,316 and charitable activities is £1,549,788. Non-staffing related support costs of £99,938 consist of premises costs, insurance, bank fees and other professional fees and subscriptions.

9. Net income / (expenditure) for the year

This is stated after charging / (crediting):	2023	2022
	£	£
Amortisation	-	30,000
Payments under operating leases	2,096	2,096
Auditor's remuneration:		
Audit fees	7,500	9,750
Non audit fees	0	666
	<u><u> </u></u>	<u><u> </u></u>

10. Analysis of staff costs, trustee remuneration and expenses, and the cost of key management personnel

Staff costs were as follows:	2023	2022
	£	£
Salaries and wages	693,519	740,551
Social security costs	50,492	48,817
Employer's contribution to defined contribution pension schemes	51,087	53,822
	<u><u>795,098</u></u>	<u><u>843,190</u></u>

The following number of employees received employee benefits (excluding employer pension) during the year between:

	2023	2022
	No.	No.
£60,001 -£70,000	-	1

The total employee benefits including pension contributions of the key management personnel were £72,087 (2022: £65,154).

Five trustees were reimbursed expenses during the year for travel, accommodation and subsistence costs totalling £2,730 (2022: £2,154).

No Trustee received remuneration or benefits as a trustee however the following trustees received remuneration for the following services provided to the charity: Bryan Berry £250 (2022: £6,293) for CPD delivery, Susan Burr £600 (2022: £nil) for resource evaluation, Jane Turner £500 (2022: £1,500) for journal editing and Helen Harden £3,625 (2022: £2,138) for journal editing and commissioning. Remuneration to trustees for services provided to the charity were paid under the provisions in Section 5 of the Association's Royal Charter.

10 Analysis of staff costs, trustee remuneration and expenses, and the cost of key management personnel continued

Staff numbers

The average number of employees (head count based on number of staff employed) during the year was as follows:

Staff costs were as follows:	2023	2022
	No.	No.
Millgate House Education employees	2	2
The Association for Science Education employees	32	33
	34	35

11. Taxation

The charitable company is exempt from corporation tax as its non-primary purpose trading income is below the small trading limit allowable for charities.

12. Investments

Millgate House Education Limited

On 1st September 2017 the Association for Science Education acquired Millgate House Education Limited, a company incorporated in the United Kingdom and limited by guarantee. Its results have been consolidated in these financial statements. Millgate House Education is considered by the Trustees of the charity to be undertaking primary purpose trading, namely selling science publications.

The registered office of Millgate House Education Limited is College Lane, Hatfield, Hertfordshire, AL10 9AA. Its company registration number is 10875129. It had a deficit for the year of £8,750 (2022: surplus of £36,779) and at the end of the year its net liabilities were £26,139 (2022: £17,389).

13. Stock

Stock	Group	Group	Charity	Charity
	2023	2022	2023	2022
	£	£	£	£
Publications for resale	17,825	26,145	-	-
	17,825	26,145	-	-

14 Debtors	Group	Group	Charity	Charity
	2023	2022	2023	2022
Due within one year	£	£	£	£
Trade Debtors	105,615	198,528	101,993	188,924
Amount due from subsidiary	-	-	190,123	132,673
Other debtors	149	483	149	483
Prepayments and accrued income	45,544	108,655	45,544	108,655
	151,308	307,666	337,809	430,735

15 Creditors: amounts falling due within one year

	Group	Group	Charity	Charity
	2023	2022	2023	2022
Due within one year	£	£	£	£
Trade creditors	16,869	35,786	17,101	32,541
Taxation and social security	34,128	55,026	34,128	55,026
Accruals	59,559	101,102	57,236	101,102
Member subscriptions in advance	119,906	160,200	119,906	60,200
Journal subscriptions in advance	20,852	21,117	20,852	21,117
Journal subscriptions in advance	5,000	-	5,000	-
Prepayments and accrued income	256,314	373,231	254,223	369,986

Member subscriptions are generally paid in advance for a period of one year or three years and therefore a proportion of this payment is deferred into the following financial year(s). Library subscriptions are paid one year in advance.

16. Analysis of net assets between funds - Group

	Group Unrestricted £	Group Restricted £	Group Total funds £
Current assets	447,162	149,203	596,365
Creditors due within one year	(256,314)	-	(256,314)
Net assets at the end of the year	190,848	149,203	340,051

Analysis of net assets between funds - Charity

	Charity Unrestricted £	Charity Restricted £	Charity Total funds £
Current assets	471,208	149,203	620,411
Creditors due within one year	(254,223)	-	(254,223)
Net assets at the end of the year	216,985	149,203	366,188

17. Analysis of net assets between funds - prior year - Group

	Group Unrestricted £	Group Restricted £	Group Total funds £
Fixed Assets	-	-	-
Current assets	589,108	132,397	721,505
Creditors due within one year	(373,231)	-	(373,231)
Net assets at the end of the year	215,877	132,397	348,274

Analysis of net assets between funds - Charity

	Charity Unrestricted £	Charity Restricted £	Charity Total funds £
Fixed Assets	-	-	-
Current assets	603,247	132,397	735,644
Creditors due within one year	(369,986)	-	(369,986)
Net assets at the end of the year	233,261	132,397	365,658

18a. Movements in restricted funds - Group and Charity

	At the start of the year	Incoming resources	Outgoing resources	At the end of the year
	£	£	£	£
Restricted funds:				
Alexander Memorial	9,819	-	-	9,819
Gatsby Rise (Retention Initiative for Science Education)	-	9,100	(9,100)	-
Gatsby post 16 resources	1,900	-	(1,900)	-
Wolfson Keeping Science Practical	30,192	83,296	(47,731)	65,757
Wellcome - Topic Level micro accredited CPD	-	38,830	(17,896)	20,934
Key Moments in history: a fossil hunter's story	8,600	-	(8,337)	263
Science Education for Action and Engagement towards Sustainability (SEAS)	2,441	-	(2,411)	30
Science on stage UK	1,281	-	-	1,281
IoP Inclusion in Schools	39,978	-	(16,959)	23,019
SLI Inclusion in Schools	38,186	581,599	(588,445)	31,340
Key Moments in history: a fossil hunter's story Amplification	-	-	(3,240)	(3,240)
Total restricted funds	<u>132,397</u>	<u>712,825</u>	<u>(696,019)</u>	<u>149,203</u>

18b. Movements in restricted funds - prior year - Group and Charity

	At the start of the year	Incoming resources	Outgoing resources	At the end of the year
	£	£	£	£
Restricted funds:				
Alexander Memorial	9,819	-	-	9,819
Science Teacher SOS	1,387	-	(1,387)	-
Gatsby Rise (Retention Initiative for Science Education)	-	24,800	(24,800)	-
Gatsby post 16 resources	-	22,900	(21,000)	1,900
Wolfson Keeping Science Practical	-	66,374	(36,182)	30,192
Wellcome - Topic Level micro accredited CPD	-	69,475	(69,475)	-
Key Moments in history: a fossil hunter's story	11,398	40,564	(43,362)	8,600
Science Education for Action and Engagement towards Sustainability (SEAS)	4,222	3,093	(4,874)	2,441
Science on stage UK	1,281	-	-	1,281
IoP Inclusion in Schools	(1,975)	550,350	(508,397)	39,978
SLI Inclusion in Schools	-	197,676	159,490)	38,186
Total restricted funds	26,132	975,232	(868,967)	132,397

Purposes of restricted funds

Alexander Memorial

The Alexander Memorial Fund represents a legacy of £10,000 from the late Professor and Mrs Alexander which the ASE has been requested to administer for a memorial award until the funds expire. No prizes were awarded in 2022/23.

Gatsby Rise (Retention Initiative for Science Education)

A programme to expand the reach and impact of the Science Teacher SOS Framework and survey by developing an accompanying package of support that can be used proactively by science leaders to support the wellbeing, career development and ultimately retention of their team throughout the year.

Gatsby post 16 resources

Funding to enable the ASE to support implementation of Benchmarks 1 and 2 of the Gatsby Charitable Foundation's Good Practical Science Report, which provides a framework for good practical science in schools and colleges. Further information is available on both the ASE and the Gatsby Charitable Foundation's websites and in the Trustees' Report.

Purposes of restricted funds continued

Wolfson Keeping Science Practical

A programme to provide extended support for disadvantaged secondary schools across the UK, focused particularly on practical science. Delivered through a targeted and tailored programme of online and face to face CPD for heads of science, early careers teachers and school science technicians.

Wellcome - Topic Level Micro-accredited CPD in Science

A project to test the impact and value of delivering subject-specific CPD in upper primary and lower secondary science through 'bite-sized' online courses linked to micro-accreditation.

Key Moments in history: a fossil hunter's story

This project is producing teaching resources and professional learning strategies for primary teachers of children aged 9-11 years to support their knowledge and understanding of the big ideas of evolution, the nature of scientific enquiry and the strengths and limitations of scientific knowledge. The project is supported by the Templeton World Charity Foundation and more information is given in the Trustees' Report.

Science Education for Action and Engagement towards Sustainability (SEAS)

ASE is a partner organisation for this EU Horizon 2020 funded project which is led by the University of Oslo. More information is provided in the Trustees' Report.

Science on stage UK

Funding to pilot an end-use and effectiveness study of the Science Teacher SOS framework, more information is provided in the Trustees' Report.

IoP Inclusion in Schools

ASE was subcontracted by the Institute of Physics to deliver the Inclusion in Schools project on behalf of the DfE from 1st August 2021 to March 2022. The primary purpose of this project was to significantly increase the number of students from under-represented groups progressing to physics-based routes (A-level physics, vocational or technical) post the age of 16.

SLI Inclusion in Schools

From April 2022, the ASE was subcontracted by STEM Learning to continue to deliver the Inclusion in Schools project on behalf of the DfE.

Key Moments in history: a fossil hunter's story - Amplification

ASE was awarded a new grant from the Templeton World Charity Foundation in 2023-24 to amplify the impact of the Key Moments in history project detailed above.

19. Reconciliation of net income / (expenditure) to net cash flow from operating activities

	2023	2022
	£	£
Net income / (expenditure) for the reporting period (as per the consolidated statement of financial activities)	(8,223)	115,717
Interest received	3,328	150
Depreciation and amortisation	-	30,000
(Increase) / decrease in stock	8,320	5,788
(Increase) / decrease in debtors	156,358	(143,981)
Increase / (decrease) in creditors	(116,917)	(9,285)
Net cash provided by / (used in) operating activities	42,866	(1,611)

20. Analysis of changes in net debt

The charity had no debt during the year.

21. Operating lease commitments

Total future minimum lease payments under non-cancellable operating leases are as follows:

	Group		Charity	
	Property		Property	
	2023	2022	2023	2022
	£	£	£	£
1 year	1,644	2,096	1,644	2,096
2 - 5 years	3,972	4,932	3,972	4,932
After more than 5 years	-	-	-	-
	5,616	7,028	5,616	7,028

22. Legal status of the charity

The charity is a company established by Royal Charter and has no share capital.

23. Related party transactions

There were no related party transactions other than payments to Trustees for services as detailed in note 10.

Legal and Administration Information

Trustees who served during the year and up to the date of approval of the financial statements:	<p>Ali Redmore - Appointed by Membership and Chair of Trustees (retired July 2023)</p> <p>Manoj Chitnavis – Appointed by membership (Chair of Trustees from August 2023)</p> <p>Susan Burr – Elected by Membership, Association Treasurer</p> <p>Daniel Sandford Smith – Elected by Membership (retired July 2023)</p> <p>Geoff Mackey – Elected member</p> <p>Bryan Berry - Appointed Member</p> <p>Olivia Bussey - Appointed member from August 2023</p> <p>Maggie Hannon – Appointed Member (Trustee rep on Q&A Committee)</p> <p>Cerian Ayres – elected by Education Group</p> <p>Leigh Hoath – elected by Education Group (Co Chair of the Association from August 2023)</p> <p>Helen Harden - elected by Education Group and Chair of the Association (August 2022 - July 2023)</p> <p>Alex Sinclair – Co Chair of the Association (from August 2023)</p> <p>Jane Turner – Immediate past Chair of the Association (retired July 2023)</p> <p>Jane Oldham - Chair Elect of the Association from Sept 2023 (Observer)</p>
Patron	Following the death of HRH The Prince Philip, Duke of Edinburgh, KG,PC, KT, GMBE, FRS we await notification of our new Royal Patron
President	Prof Michael J Reiss
Chair of the Association	Helen Harden (1st August 2022 – 31st July 2023) Dr Alex Sinclair and Dr Leigh Hoath (Co Chairs from 1st August 2023 - 31st July 2024)
Chief Executive Officer	Hannah Russell (until 9th October 2022) Lynn Ladbrook (from 10th October 2022)
Charity number:	313123
OSCR number:	SC042473
Royal Charter incorporation number:	RC000805 (England and Wales)
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Auditors	Goldwins Limited 75 Maygrove Road West Hampstead London NW 6 2EG
Bankers	NatWest Plc 35, Town centre Hatfield AL10 0JU



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