

TEACHER SCIENTIST NETWORK
(A company limited by guarantee)

REGISTERED CHARITY NO 1096208
COMPANY NO 4556366

REPORT AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 MARCH 2023

TEACHER SCIENTIST NETWORK

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TEACHER SCIENTIST NETWORK
TRUSTEES' ANNUAL REPORT
FOR THE YEAR ENDED 31 MARCH 2023

The Trustees present their report and unaudited financial statements for the year ended 31 March 2023.

Reference and Administrative Information

Charity name:	Teacher Scientist Network
Charity registration number:	1096208
Company registration number:	4556366
Registered office and operational address:	John Innes Centre Norwich Research Park Colney Norwich Norfolk NR4 7UH Tel: Norwich (01603) 450000
Trustees:	Prof P Nicholson (chair) Prof K Roberts OBE Dr P H Smith MBE
Directors:	Prof P Nicholson Dr P H Smith MBE
Company Secretary:	Dr P H Smith MBE
Bankers:	Barclays Bank Plc 5 – 7 Red Lion Street Norwich Norfolk NR1 3QH
Independent Examiner:	Tony Larnar Chartered Certified Accountants 23 Station Road Sheringham Norfolk NR26 8RF

TEACHER SCIENTIST NETWORK
TRUSTEES' ANNUAL REPORT
FOR THE YEAR ENDED 31 MARCH 2023

STRUCTURE, GOVERNANCE AND MANAGEMENT

Governing Document

The organisation is a charitable company limited by guarantee, incorporated on 8 October 2002 and registered as a charity on 25 February 2003. The company was established under a Memorandum of Association which established the objects and powers of the charitable company and is governed under its Articles of Association. At 31 March 2023 there were 12 members, each of whom were liable to contribute a sum not exceeding £1 if required in the event of the company being wound up.

Appointment of Trustees

The current Trustees may appoint a person who is willing to act to be a Trustee, either to fill a vacancy or as an additional Trustee. There is no maximum number of Trustees set by the Memorandum and Articles of Association. A Trustee appointed in this way shall hold office only until the next following AGM when he or she must be re-appointed.

Induction and training of Trustees

On appointment to the Council, Trustees are provided with copies of:

- The charity's constitution
- The latest accounts of the Charity

and are encouraged to read Charity Commission guidance notes CC3 – "Responsibilities of Charity Trustees"

In addition, Trustees are encouraged to read Charity Commission and other newsletters and to attend courses designed to keep them abreast of their duties and responsibilities.

Risk Management

The Board understands that long-term reliance on grant funding has risks. Despite efforts to secure more stable funding, grant funding and consultancy work are our primary sources of income. The last 12 months have continued to be challenging for charities generally, and the 'cost of living crisis' on the back of COVID makes competition for limited pots of funding even harder.

Organisational structure

The Board of Trustees meets on a regular basis to monitor the progress of the Charity, to make key decisions and to see that legal requirements such as those of the Registrar of Companies, the Charity Commissioners, and other regulatory bodies are adhered to. The Board of Trustees has delegated areas of responsibility to the Steering Group, including the day-to-day running of the Charity. These meetings have been more limited in the last 12 months and have utilised online tools in the absence of face to face meetings.

During the year the Charity was staffed by a full-time coordinator (Dr Philip H Smith).

TEACHER SCIENTIST NETWORK
TRUSTEES' ANNUAL REPORT (CONTINUED)
FOR THE YEAR ENDED 31 MARCH 2023

OBJECTS AND ACTIVITIES

The objects of the charity are to promote education in and teaching of science in schools, colleges, universities and any other educational establishments mainly, but not exclusively, within the County of Norfolk.

The Teacher Scientist Network (TSN) mission statement remains unchanged; to enhance science in schools across Norfolk:

- Through the supportive involvement of the local science community in science education.
- By encouraging activities of mutual benefit to both scientific and educational communities.
- By providing support, advice and resources to the teachers and scientists involved in the network.
- By regularly reviewing, adapting and updating activities in accordance with the changing needs of the network's members.

Public benefit

The Trustees have had due regard to the Charity Commission's guidance on public benefit and review the position annually.

TSN works with all schools who wish to work with us. Some remain loyal supporters year-on-year but with quite high staff turnover, new staff in new schools also seek our services and are welcomed.

TSN is generously hosted by in-kind support from the John Innes Centre (JIC). We are grateful for JIC's ongoing support and the value they place in our activities. We went out of our way to support their Open Day event in May 2022.

ACHIEVEMENTS AND PERFORMANCE

Income and activities

In the period of this report, April 2022 – March 2023, there was a steady return to regular operation and activities. Several projects continued and new activities were embraced or extended. Whilst activity returned, new funding sources were harder to find.

Phil continues as the Hub Leader for the Primary Science Quality Mark (PSQM) mentoring primary science subject leads through the process of achieving the award and supporting their professional development. With demand for the programme quite high we offered Spring and Autumn hubs this year and carried out reviews in Easter and Summer. As a result, we have seen an increase in funding from this project (which is dependent upon teacher recruitment). Hub leaders are encouraged to attend the annual PSQM conference which took place at High Lea conference centre in Hertfordshire.

Our other long-term project is the management of the Amgen Biotech Experience (ABE) – like PSQM, funding for this project is also administered through the University of Hertfordshire (UH). TSN manages the Norwich hub, and Phil is the UK CPD lead. As such, he ran teacher training workshops in all 3 hubs - Norwich, Cambridge and UH during Summer 2022, embracing an online format for Course 3 (open to all hubs) and offering termly Network meetings through the year to help build our community of practice. These short sessions have included adaptations of ABE for Key Stage 3, and a session on current legislation around Genome screening in babies (demonstrating the relevance of such science to current societal issues). A real positive for this project was the establishment of a fourth hub, at the University of Hull, with the first training (delivered by Phil) happening in November 2022.

The ABE programme had previously required Phil to be formally trained as a STEM Learning CPD facilitator. This certification has enabled him to facilitate other courses for both primary and secondary audiences on behalf of Southend, Essex & Thurrock SLP (SETSA) and a few paid opportunities have followed (online & face to face).

TEACHER SCIENTIST NETWORK
TRUSTEES' ANNUAL REPORT (CONTINUED)
FOR THE YEAR ENDED 31 MARCH 2023

Summer 2022 saw extensive activity in support of our Horizon 2020 (EU-funded) project, PHERECLOS (managed by KINDERBURO UNIVERSITAT WIEN GMBH). In May 2022, Phil spoke at the EURASHE conference in Brussels about the project. The following months saw Phil contributing to the writing, reviewing and editing of the Whitebook, QA of the project website, editing the final conference report and attendance at various online meetings including the final project review (by the EC) in December. PHERECLOS concluded at the end of September 2022 with a long-hoped for final conference being achieved in Bucharest, Romania. Phil was conference MC and lead a live Open Schooling session at the Faculty of Agriculture, in partnership with a local biology teacher. Final payment on this grant was received in April 2023, following a successful project review by the EC in December (the majority of the funding had been received at the start of the 3 year project).

In a strange turn of events, it was during his attendance at the EURASHE conference that Phil learnt that Chester Zoo were seeking someone to write educational resources. Seeing an opportunity to apply his plant science background, and access to the JIC SEM facility at a cost of £1,560 (but giving the resources stand-out appeal), Phil contacted the Learning Manager from the zoo and after a follow-up meeting secured the contract which would see the late summer and Autumn period spent writing and editing cross-curricular resources for KS3 about Sustainable Palm Oil linked to the Zoo's biodiversity strategy. A thoroughly enjoyable project from start to finish that provided unexpected, but vital funding (c. £10K).

Building upon our relationship with RTC North who, with our support, revived Kit Club activity in the North-East in the previous year, Phil was invited to give the conference keynote and run a workshop session at their first Kit Club conference in June 2022. Our own Kit Club activity has been slow to return to pre-pandemic levels and we are seeking ways to remove all barriers to participation in this core activity. We feel the membership fee is reducing participation and hope a funder can be found to enable this to happen.

Although completed in previous period, it has been a real positive that schools who were part of Turning Turbines have continued to embrace the project and loaned the kit across the year. We have continued to support this, to be able to demonstrate to the funders our ability to maintain long-term relationships with schools and the sustainable nature of the projects were embark upon. Further grant applications may be made to this funder (Orsted via Grantscape) in the future.

In October 2022, we were asked to vacate our premises on site at the John Innes Centre, a space we had occupied for over 15 years! We were asked to relocate by the end of the year and November and December were dominated by packing up, throwing out and relocating the masses of equipment and documents gathered across this time. A physically and emotionally challenging time while still trying to maintain a degree of functionality to our activities.

This included preparations for and delivery of the JIC Master's course in Genetics and Plant Breeding. This was the second year our expertise has been utilized and became a larger commitment than originally envisaged (due to health issues for the Course Director). This again proved advantageous for our consultancy income stream.

As the final months of the financial year rolled by, we still had an 'open grant' with the Dudgeon STEM fund (rolled over from pre-COVID). The next tranche of funds were available to be drawn down (upon completion of our activities) and we desperately need to boost our income. Our earlier offers to schools to run a series of FREE workshops had not been taken-up or even responded too in many cases. A frustrating situation and one which illustrates the current challenging landscape in schools and how difficult it can be working with them. We made a concerted effort to 'sell' this project again in the New Year and got interest from 3 different high schools. The delivery of these workshops and subsequent funding would all fall into the upcoming financial year (2023-24).

Whilst there were notable funding successes in the year, and a donation from the Arnold Clark Foundation, a number of applications were unsuccessful. This included an attempt to lead a Community Research Hub (British Science Association) and applications to the STEM funds of Orsted and Dudgeon (which have previously been successful), as well as a one-off Norfolk Community Foundation grant call to mark the Queen's Platinum jubilee under the title 'the science the Queen has seen.'

TEACHER SCIENTIST NETWORK
TRUSTEES' ANNUAL REPORT (CONTINUED)
FOR THE YEAR ENDED 31 MARCH 2023

PERSONNEL ISSUES

TSN was only able to employ 1 person, its coordinator, Dr Phil Smith during this reporting period (April 2022 – March 2023). Our use of volunteers has continued, and Ruaidhri, who has been working with us for almost 5 years, has continued to be an invaluable asset during our relocation.

STEERING GROUP ACTIVITY

Regular meetings between TSN's Chair and coordinator continue to monitor the funding challenge and a return to more regular face-to-face Steering Group meetings is anticipated in the coming year.

FINANCIAL REVIEW

Within unrestricted funds, incoming resources amounted to £49,810 and expenditure £48,664, resulting in net incoming resources of £1,146.

Investment Powers

Under the Memorandum and Articles of Association, the Trustees have the power to invest the monies of the charity not immediately required for the furtherance of its objects in or upon such investments, securities or property as may be thought fit. This is not a consideration at this time.

Reserves Policy

TSN is currently in a period of 'hand-to-mouth' activity and whilst a policy of the Trustees to retain sufficient reserves to support the costs of operating the charity for a six-month period exists (approximately £26,000) we are currently struggling to fund the organisation full-time.

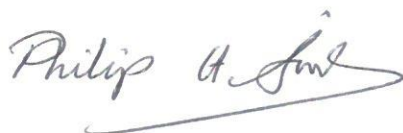
Plans for the Future

TSN's financial future continues to look very uncertain. Our coordinator is actively seeking other positions, so that his role for TSN can operate and be funded on a part-time basis. We continue to offer a diverse range of projects to support primary and secondary education but whilst value and benefit are still apparent, funding uncertainty continues to lurk in the shadows. Long-term sustained funding would be welcomed but feels impossible to obtain despite running many successful projects.

Trustees

Members of the Board of Directors, who are directors for the purpose of company law and Trustees for the purpose of charity law, who served during the year and up to the date of this report are set out on page 1.

By Order of the Board.



Dr P H Smith
Secretary

27 December 2023

INDEPENDENT EXAMINERS' REPORT

TO THE TRUSTEES OF TEACHER SCIENTIST NETWORK
FOR THE YEAR ENDED 31 MARCH 2023

We report on the accounts of the company for the year ended 31 March 2023, which are set out on pages 7 to 12.

RESPECTIVE RESPONSIBILITIES OF TRUSTEES AND EXAMINER

The Trustees (who are also the directors of the company for the purposes of company law) are responsible for the preparation of the accounts. The Trustees consider that an audit is not required for this year under section 144 of the Charities Act 2011 (the 2011 Act) and that an independent examination is needed.

It is our responsibility to:

- examine the accounts under section 145 of the 2011 Act,
- to follow the procedures laid down in the general directions given by the Charity Commission under section 145(5)(b) of the 2011 Act; and
- to state whether particular matters have come to our attention

BASIS OF INDEPENDENT EXAMINERS' REPORT

Our examination was carried out in accordance with the general directions given by the Charity Commission. An examination includes a review of the accounting records kept by the charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts and seeking explanations from you as trustees concerning any such matters. The procedures undertaken do not provide all the evidence that would be required in an audit and consequently no opinion is given as to whether the accounts present a 'true and fair' view and the report is limited to those matters set out in the statement below.

INDEPENDENT EXAMINERS' STATEMENT

In connection with our examination, no material matters have come to our attention which gives us cause to believe that, in any material respect:

- the accounting records were not kept in accordance with section 130 of the 2011 Act; or
- the accounts did not accord with the accounting records; or
- the accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair' view which is not a matter considered as part of an independent examination.

We have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Tony Larner

Tony Larner
Chartered Certified Accountants
23 Station Road
Sheringham
Norfolk
NR26 8RF

27 December 2023

TEACHER SCIENTIST NETWORK

STATEMENT OF FINANCIAL ACTIVITIES

FOR THE YEAR ENDED 31 MARCH 2023

	Notes	General Fund £	Restricted Fund £	2023 Total £	2022 Total £
INCOMING RESOURCES					
Income from generated funds:					
Donations	4	5,110	-	5,110	4,034
Income from charitable activities:					
Grants	4	42,685	-	42,685	28,984
Membership fees		1,065	-	1,065	2,080
Planetarium hire		300	-	300	100
Dippy Community Engagement Project		-	-	-	840
Biotechnology Day		650	-	650	-
HMRC CJRS claims		-	-	-	10,665
Total incoming resources		49,810	-	49,810	46,703
RESOURCES EXPENDED					
Charitable activities	5	47,991	-	47,991	50,735
Governance costs	5	673	-	673	692
Total resources expended		48,664	-	48,664	51,427
NET MOVEMENT IN FUNDS		1,146	-	1,146	(4,724)
Total funds brought forward		(10,648)	-	(10,648)	(5,924)
Total funds carried forward		(9,502)	-	(9,502)	(10,648)

The statement of financial activities includes all gains and losses recognised in the year.

The notes on pages 9 to 12 form an integral part of these financial statements.

TEACHER SCIENTIST NETWORK
REGISTERED NUMBER 4556366

BALANCE SHEET

AS AT 31 MARCH 2023

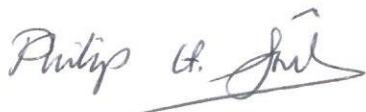
	Notes	2023 £	2022 £
Current Assets			
Debtors	7	25,280	16,503
Cash at bank and in hand		1,924	6,185
		<hr/> 27,204	<hr/> 22,688
Creditors: amounts falling due within one year	8	(36,706)	(33,336)
		<hr/>	<hr/>
Net Assets		<hr/> (9,502) <hr/>	<hr/> (10,648) <hr/>
 Funds	 9		
General Fund		<hr/> (9,502) <hr/>	<hr/> (10,648) <hr/>

The Trustees are satisfied that the company was entitled to exemption from audit under section 477 of the Companies Act 2006 and that members have not required the company to obtain an audit for the year in question in accordance with section 476 of the Companies Act 2006.

These accounts have been prepared in accordance with the provisions applicable to companies subject to small companies' regime.

The Trustees acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and the preparation of financial statements.

These financial statements were approved by the Trustees on 27 December 2023 and are signed on their behalf by:



Dr P H Smith
Director

The notes on pages 9 to 12 form an integral part of these financial statements.

TEACHER SCIENTIST NETWORK
NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 MARCH 2023

1. ACCOUNTING POLICIES

The principal accounting policies are summarised below. The accounting policies have been applied consistently throughout the year and in the preceding period.

(a) Basis of accounting

The financial statements have been prepared in accordance with 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 1 January 2015) - (Charities SORP (FRS 102)), the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) and the Companies Act 2006.

(b) Fund accounting

- Unrestricted funds are available for use at the discretion of the Trustees in furtherance of the general objectives of the charity.
- Restricted funds are subject to restrictions on their expenditure imposed by the donor or through the terms of an appeal.

(c) Incoming resources

All incoming resources are included in the statement of financial activities when the charity is entitled to the income and the amount can be quantified with reasonable accuracy. The following specific policies are applied to particular categories of income:

- Voluntary income is received by way of grants, donations and gifts and is included in full in the Statement of Financial Activities when receivable.
- Investment income is included when receivable.
- Incoming resources from charitable trading activity are accounted for when earned.
- Incoming resources from grants, where related to performance and specific deliverables, are accounted for as the charity earns the right to consideration by its performance.

(d) Resources expended

Expenditure is recognised on an accruals basis as a liability is incurred.

- Charitable expenditure comprises those costs incurred by the charity in the delivery of its activities and services for its beneficiaries. It includes both costs that can be allocated directly to such activities and those of an indirect nature necessary to support them.
- Governance costs include those costs associated with meeting the constitutional and statutory requirements of the charity and include accountancy fees and costs linked to the strategic management of the charity.
- All costs are allocated between the expenditure categories of the Statement of Financial Activities on a basis designed to reflect the use of the resource.

(e) Tangible fixed asset

The cost of kits distributed to schools is written off in the year of purchase. Individual fixed assets costing £100 or more are capitalised at cost and depreciated on a straight-line basis over their estimated useful lives as follows:

Computer equipment -	25% straight line
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TEACHER SCIENTIST NETWORK

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 MARCH 2023

2. Taxation

The company has no liability to corporation tax on its income and surpluses arising during the year.

		2023		2022
		£		£
3.	Net Incoming Resources			
This is stated after charging:				
	Directors' remuneration	37,260		37,260

The Amgen Biotechnology Experience programme is a grant received via the University of Hertfordshire for the implementation of the Amgen Biotechnology Experience (formally the Amgen Bruce Wallace Molecular Biology Project).

Teacher Scientist Network is contracted to the University of Hertfordshire to support and mentor science subject leaders in primary schools wishing to gain a Primary Science Quality Mark for their school (www.psqm.org.uk).

Teacher Scientist Network is one of 16 partners receiving funding across 3 years on the H2020 PHERCLOS project (Oct-19 to Sep-22) managed by Kinderburo Universitat Wien.

TEACHER SCIENTIST NETWORK

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 MARCH 2023

5. Total Resources Expended	Charitable Activities £	Governance Costs £	2023 Total £	2022 Total £
Directors' remuneration	37,260	-	37,260	37,260
Directors' pension contributions	933	-	933	933
Directors' national insurance contributions	4,092	-	4,092	3,921
Directors' national insurance contributions (arrears)	2,536	-	2,536	3,480
Catering	-	-	-	54
Amgen expenses (excluding salaries)	880	-	880	62
Travel and subsistence	692	-	692	36
Printing, postage and stationery	-	-	-	49
HR and payroll costs	-	-	-	822
Estate charge	-	-	-	3,080
Telephone	-	-	-	7
Rates	-	-	-	401
Accountancy	-	373	373	373
Bookkeeping	-	300	300	319
ECCF Grantscape	29	-	29	600
Consultancy expenses	1,560	-	1,560	-
Sundry expenses	9	-	9	30
	47,991	673	48,664	51,427

6. Staff Costs	2023 £	2022 £
Wages and salaries	37,260	37,260
Pension contributions	933	933
Social security costs	4,092	3,921
	42,285	42,114

The average number of full time equivalent employees during the year is 1 (2022 - 1).

There were no employees whose emoluments amounted to over £60,000 per annum in this period.

7. Debtors	2023 £	2022 £
Trade debtors	2,723	3,698
Accrued income	22,557	12,805
	25,280	16,503

TEACHER SCIENTIST NETWORK

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 MARCH 2023

	2023	2022
	£	£
8. Creditors: amounts falling due within one year		
Trade creditors	31,552	23,757
Accruals and deferred income	5,154	9,579
	<u>36,706</u>	<u>33,336</u>

	Balance at 1-Apr-22	Incoming resources	Resources expended	Balance at 31-Mar-23
	£	£	£	£
9. Movement in funds				
Unrestricted funds	(10,648)	49,810	(48,664)	(9,502)
Total funds	<u>(10,648)</u>	<u>49,810</u>	<u>(48,664)</u>	<u>(9,502)</u>

	2023	2022
	£	£
10. Directors emoluments		
Aggregate emoluments in respect of qualifying services	<u>37,260</u>	<u>37,260</u>

Dr P H Smith received expenses of £546 (2022 - £nil) from the charity during the year.

11. Going concern

The accounts have been prepared on a going concern basis which is dependent upon the continued support of the company directors and host organisation The John Innes Centre.