

Registration number: 11686521

University of Liverpool Mathematics School

(A company limited by guarantee)

Annual Report and Financial Statements

for the Year Ended 31 August 2022

Beever and Struthers
One Express
1 George Leigh Street
Manchester
M4 5DL



University of Liverpool Mathematics School

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University of Liverpool Mathematics School

Reference and Administrative Details

Members	Gavin Brown Colin Duncan Sinclair Kurt Albert Langfield Julie-Ann Gillespie Nicola Davies University of Liverpool HSBC Bank Plc
Trustees (Directors)	Kathleen Johnson, Chair of Trustees (appointed 31 October 2022) Gavin Brown Kurt Albert Langfield Lynda Margaret Stott Philip David Harries Dr. Mohammed Shaiyan Rahman Anthony Patrick Rooney John Thompson Prof. Carsten Peter Welsch Kerry Joanne Burnham (resigned 26 August 2022) Victoria Carlin Catherine McClennan (appointed 1 December 2021) Rachel Bearon (appointed 5 October 2021) Christopher Nicholson (appointed 10 October 2022)
Head Teacher	Damian Haigh
Senior Management Team	Damian Haigh, Headteacher Marie Black, School Business Manager
Company Registration Number	11686521
Auditors	Beever and Struthers One Express 1 George Leigh Street Manchester M4 5DL 10 November 2022

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022

The Trustees present their annual report together with the financial statements and auditors' report of the charitable company for the year ended 31 August 2022. The annual report serves the purposes of both a trustees' report, and a directors' report under company law.

Structure, governance and management

Constitution

The academy trust is a company limited by guarantee and is an exempt charity. The charitable company's memorandum and articles of association are the primary governing documents of the academy trust. The company registration number is 11686521.

The University of Liverpool Mathematics School Trust is governed by its Board of Trustees who are Directors of the Company limited by guarantee for the purposes of the Companies Act 2006 and Trustees for the purposes of charity legislation.

The organisational structure of the Trust consists of three levels – (i) the Trust Board (ii) the Headteacher and (iii) the Senior Leadership Team (SLT). The Trust Board is responsible for setting policy, strategy & monitoring the Trust's performance and there is a detailed Scheme of Delegation, which stipulates what tasks & responsibilities have been delegated to each committee.

Members' liability

Each member of the charitable company undertakes to contribute to the assets of the charitable company in the event of it being wound up while they are a member, or within one year after they cease to be a member, such amount as may be required, not exceeding £Nil for the debts and liabilities contracted before they ceased to be a member.

Trustees' indemnities

The academy trust through its Articles has indemnified its Trustees to the fullest extent permissible by law. During the period the Academy also purchased and maintained liability insurance for its Trustees.

Arrangements for setting pay and remuneration of key management personnel

All staff members are paid according to the school's pay policy. The Headteacher's pay is subject to additional processes of approval as defined in the Headteacher Appraisal and Pay Award Process, a policy ratified by the Board of Trustees. This policy requires that a Headteacher Appraisal Panel elected by the Trustees oversees the performance of the Headteacher and makes a recommendation about whether the headteacher's salary should progress to the next point in the defined scale in the school's pay policy. This recommendation is scrutinised by the Finance, Audit and Risk Committee and then put forward to the Board of Trustees for approval. The Headteacher receives no remuneration other than that set out in the school's Pay Policy.

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022 (continued)

Objectives and activities

Objects and aims

The objectives set out in the school's memorandum and articles of association are: "to advance for the public benefit education in the United Kingdom, in particular but without prejudice to the generality of the foregoing, by establishing, maintaining, carrying on, managing and developing a 16 to 19 Academy offering a curriculum appropriate to the needs of its students". More specifically, the trust aims to enable children with a strong interest and high potential in the mathematical sciences to achieve a global impact through careers in the mathematical sciences. Unusually the scope of the school's work includes a significant engagement with students who are not on-roll at the school. Significant funding is provided to enable the school to conduct outreach work on science and mathematics with other children in the region.

Objectives, strategies and activities

The school's objectives for the year were to:

Continue to develop the strong pastoral care, community ethos and teamwork within the school, bringing a second cohort of students into the school

Continue to develop the challenging but supportive curriculum and ethos which enables students from a wide range of prior achievement to achieve excellent academic results and gain access to challenging STEM degree courses

Take our first cohort of students through to success A-Level examinations and support them in the successful transition to university and/ or work

To develop further the school's outreach work to support and enthuse children in the region in relation to the advanced study of science and mathematics

To grow the school's roll through successful marketing and recruitment

All Specialist Mathematics Schools operate an Admissions Policy which ensures that the students enrolled at the school will thrive on the demanding curriculum that is delivered and determine how places will be awarded in the event of oversubscription. To this end, students are interviewed and take an admissions aptitude test in line with the Admissions Policy published on the school's website. When the school is oversubscribed places will be given to students whose needs and abilities are most suited to the education that the school offers. The Admissions Policy lists in full the oversubscription criteria and the processes that we follow in assessing students' suitability for admission.

Public benefit

In setting our objectives and planning for activities, the trustees have carefully considered the Charity Commission's general guidance on public benefit. (PB2) The school has succeeded in providing education to advance the opportunities and life chances of both the students on its roll and the students in the region engaging with its outreach programme. The achievements of the outreach programme are detailed below. The school is proud to offer significant additional financial support to students above the provision available within 16-19 Bursary funding, thanks to generous support from two philanthropic donors.

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022 (continued)

Strategic Report

Achievements and performance

The new students recruited to join the school this year proved themselves to be suitably academically talented and hardworking and the existing student membership coped well with the rigours of A-Level examinations. Teachers worked hard to support and challenge students and were delighted to see students achieve excellent examination grades with 87% of A-Level grades at A*-B, 59% at A*-A and 20% at A*. Members of this cohort have visited school since starting university and have reported a very confident start to their university studies, typical comment from a student was this: "I'm finding the course pretty easy, in no small part thanks to how much we were encouraged throughout our A Levels to go above and beyond the specification; it's all really helped out here. Thankfully that means I can focus on my dream...[of learning to fly]".

The school recruited two new teachers this year bringing the staff total to 12 (8 teachers including the Headteacher and Deputy Headteacher, and 4 administrators).

The comprehensive pastoral curriculum and tutorial system developed further during the year with an additional teacher helping to deliver lessons on research skills, the science of sleep, coding mathematics in Latex and much else. Careers support grew with students being guided through the UCAS process, being helped to choose suitable degree courses and experiencing work placements in academic and industrial settings. Wellbeing support was maintained and developed through a growing House structure featuring one to one meetings with tutors, group tutor sessions, PPEP lessons, assemblies and a range of educational visits including visits to Cambridge University, Ironbridge and an adventurous Duke of Edinburgh programme involving expeditions in Cumbria and Snowdonia.

The school's ethos of inclusivity and tolerance combined with high challenge and close individual support has created a calm, well focused and aspirational environment for students. 20 students applied for places at Oxford or Cambridge Universities and 2 were offered places; we anticipate higher rates of success in future years. The school is proud to be able to remove barriers to learning and enable many students who have faced challenges to succeed in the advanced study of mathematics and science. We have recruited and nurtured students who come from low performing schools, students facing financial and personal challenges, students who have left Hong Kong because of the recent changes and students from a wide variety of ethnicities, and students whose mental health needs or neurotype means that they need the additional personal support we are able to provide.

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022 (continued)

Strategic Report

Outreach

The school has adapted its outreach offer to the post-pandemic situation with more face to face activities on Saturdays, more visits to schools (including both primary and secondary schools), an in-person Easter School focused on GCSE and A-Level revision for students across the region, and a Summer School in early July. Our weekly online continues to attract students from across the region but attendance was lower due to other evening activities opening up to students post pandemic.

Student recruitment for September 2021 Admission

(2020 figures shown in brackets for comparison purposes)

There were 85 registrations in the admissions system by 1st September 2021 (1/9/2020: 46) leading to 45 completed applications (28 by 1/9/2020 because some students were enrolled having not fully completed their forms online) leading to 37 enrolments on 1st September 2021 (30 on 1/9/2020). Future recruitment for September 2023 looks strong with 89 registrations in the system on 5/12/22 including 64 completed applications: a marked increase on 2021 already with 9 months of recruitment time remaining.

Satisfaction

Student and parent satisfaction continued to be high, with a great deal of positive feedback from parents in students in the February survey, and many emails praising the school's provision from parents and current and previous students. 100% of 47 student respondents said that they would recommend this school to another student. 32 out of 33 parent respondents said that they would recommend this school to another parent. One student commented that "This school has opened my eyes to more than just maths and physics. We are taught to think more individually, throughout stem subjects and as people. We are taught how to better ourselves, become a better teammate, revise effectively and how to work hard. I am grateful for this school for the countless opportunities and support. Unlike other schools, this school cares for individual students and we are seen as a person and not just someone getting taught. The teachers take interest in our lives as well as our grades. The more effort you put in to be part of the ULMaS community, the happier you are and the better the experience."

Key performance indicators

Examination Results: 87% of A-Level grades at were awarded A*-B grades, 59% A*-A grades and 20% A* grades.

Progression: All students progressed to STEM degree courses at British Universities including one student who chose to pursue a degree apprenticeship route with a local technology employer after achieving excellent A-Level results.

Going concern

The school has healthy financial resources, secure staffing and a student body whose parents are very happy with the quality of education being provided. Recruitment is growing steadily with significant year on year growth in applications following publicity around the strong A-Level results of the first cohort. The school has strong and ongoing financial backing from philanthropists in addition to the core and specialist funding from the Department for Education.

After making appropriate enquiries, the board of trustees has a reasonable expectation that the academy trust has adequate resources to continue in operational existence for the foreseeable future. For this reason, it continues to adopt the going concern basis in preparing the financial Statements. Further details regarding the adoption of the going concern basis can be found in the Statement of Accounting Policies.

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022 (continued)

Strategic Report

Financial review

The school has performed well financially during its second year of operation and has a healthy surplus balance going forward into next year. The surplus balance carried forward to September 2022 is £287,143 in restricted funds and there is also a carried forward balance of unrestricted funds of £1,871. The main risks and uncertainties in the future are related to student recruitment and the growing track record of the school is providing excellent support to the strong marketing work being done by the school team.

Reserves policy

The policy of the trust is to plan to keep 3 months of salary costs in reserve when possible, which is approximately £150,000. The school receives significant additional funding to deliver outreach and additional support for its own students, some of which could cease at short notice. The trust wishes to be able to absorb these costs without immediately reducing staffing, in order to protect the reputation of the school's outreach programme and to continue to support outreach and on-roll students through the academic year. This will enable us to plan properly for any changes in funding for the outreach and curricular provision. As events in the future are assessed for financial uncertainty the trustees may from time to time increase the level of reserves to ensure the organisation is sustained during periods of change.

Investment policy

The school has the following investment policy: Investments can not be made at the expense of working capital. Investments other than longer term deposits of funds are subject to authorisation from the Board of Trustees. All investments must be recorded in sufficient detail to enable a current market value to be calculated at any time. All income received from any investments should be recorded separately. No investments can be undertaken where there is a risk to the original capital investment. All transactions should be entered onto the Academy accounting system within the monthly accounting period. The school does not have any investments and does not anticipate making any investments in the current financial year and is currently reviewing its investment policy.

Principal risks and uncertainties

The principal risks are reviewed by the Trustees in each meeting of the FAR Committee and each meeting of the full Board of Trustees. There is a relatively small liability for the local government pension scheme. The trust does not yet operate an estate of its own and power costs are included within the rent paid to the university for our temporary home, which significantly reduces our exposure to increased fuel costs. The school is still waiting to gain a permanent home but has assurances from the university about its continued access to the Sir Alastair Pilkington Building. The main risk at present relates to future student numbers and the trustees have put plans in place to ensure that pupil numbers increase each year.

Fundraising

The trust does not use any external fundraisers and has not actively sought additional funding during the 21/22 financial year beyond giving parents the opportunity to contribute to school funds. Unsolicited philanthropic donations have been made to the school during the year totalling £131,250 including gift aid (or £125,000 excluding gift aid). These donations have been monitored by trustees with due diligence checks completed by expert staff at the University of Liverpool. We have reason to anticipate continued donations at the same level or above for the foreseeable future.

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022 (continued)

Strategic Report

Plans for future periods

The school plans to continue to increase the size of the student roll by approximately one additional Year 12 class per year until it reaches a steady state of recruiting 80 students per year (5 classes). Staffing and curriculum delivery will grow in line with the availability of additional per pupil funding and additional staffing should also become possible as a result of long term philanthropic donations. The school's curriculum is now well established. We also plan to further increase the range and quality of links with industry by involving a wider range of employers and enabling students to benefit from a wider range of work placements and research projects. Through philanthropic support we are now able to make participation in extracurricular and industrial experience activities free or very low cost for all students, removing barriers for all students and ensuring that the least affluent students have exactly the same opportunities as everyone else.

University of Liverpool Mathematics School

Trustees' Report for the Year Ended 31 August 2022 (continued)

Auditor

Insofar as the Trustees are aware:

- there is no relevant audit information of which the charitable company's auditor is unaware; and
- the trustees have taken all steps that they ought to have taken to make themselves aware of any relevant audit information and to establish that the auditor is aware of that information.

The trustees' report, incorporating a Strategic Report, was approved by order of the members of the Governing Body on 14 December 2022 and signed on its behalf by:



Kathleen Johnson, Chair of Trustees
Trustee

University of Liverpool Mathematics School

Governance Statement

Scope of responsibility

As trustees, we acknowledge we have overall responsibility for ensuring that University of Liverpool Mathematics School has an effective and appropriate system of control, financial and otherwise. However such a system is designed to manage rather than eliminate the risk of failure to achieve business objectives, and can provide only reasonable and not absolute assurance against material misstatement or loss.

As Trustees, we have reviewed and taken account of the guidance in DFE's Governance Handbook and competency Framework for governance.

The Board of Trustees has delegated the day-to-day responsibility to the Headteacher, as accounting officer, for ensuring the financial controls conform with the requirements of both propriety and good financial management in accordance with the requirements and responsibilities assigned to it in the funding agreement between University of Liverpool Mathematics School and the Secretary of State for Education. They are also responsible for reporting to the board of trustees any material weaknesses or breakdown of internal control.

Governance

The information on governance included here supplements that described in the Trustees' Report and in the Statement of Trustees' Responsibilities. The Board of Trustees has formally met 5 times during the year. Attendance during the year at meetings of the Board of Trustees was as follows:

Trustee	Meetings attended	Out of a possible
Gavin Brown	5	5
Kurt Albert Langfield	5	5
Lynda Margaret Stott	4	5
Damian Haigh	5	5
Philip David Harries	3	5
Dr. Mohammed Shaiyan Rahman	3	5
Anthony Patrick Rooney	3	5
John Thompson	4	5
Prof. Carsten Peter Welsch	2	5
Kerry Joanne Burnham (resigned 26 August 2022)	3	5
Victoria Carlin	4	5
Catherine McClennan (appointed 1 December 2021)	3	5
Rachel Bearon (appointed 5 October 2021)	4	5

University of Liverpool Mathematics School

Governance Statement (continued)

Key Changes in the composition of the Board of Trustees

- Parent Trustee Catherine McLennan joined the Full Board of Trustees on 1st December 2021
- Trustee Rachel Bearon joined the Full Board of Trustees on 5th October 2021
- Kerry Burnham resigned from the Full Board and the Finance, Audit and Risk Committee on 26th August 2022.

Governance reviews

The Full Board has complete oversight of all committees.

A skills audit of all board members was carried during the academic year. This followed the suggested NGA framework. This skills audit will be carried out annually. Following the analysis of the skills audit, results were presented to all trustees and recommendations for training requirements were made to individual trustees.

The Finance, Audit and Risk Committee is a sub-committee of the main Governing Body. During the year the FAR committee covered the risk register, internal and External Audits and have continuously reviewed policies related to Finance & Risk. They also evaluate monthly management reports and all other issues that are raised with regards to Finance, Audit & Risk.

Attendance at meetings during the year was as follows:

Trustee	Meetings attended	Out of a possible
Lynda Margaret Stott	4	4
Gavin Brown	3	4
Philip David Harries	0	4
Anthony Patrick Rooney	2	4
Kerry Joanne Burnham (resigned 26 August 2022)	4	4
Damian Haigh	4	4

Review of value for money

As Accounting Officer, the Headteacher has responsibility for ensuring that the Trust delivers good value in the use of public resources. The Accounting Officer understands that value for money refers to the educational and wider societal outcomes achieved in return for the taxpayer resources received.

The Accounting Officer considers how the Trust's use of its resources has provided good value for money during each academic year, and reports to the Board of Trustees where value for money can be improved, including the use of benchmarking data where appropriate. The Accounting Officer for the Trust has delivered improved value for money during the year by performing their role of developing and promoting the school and delivering effective teaching and management.

University of Liverpool Mathematics School

Governance Statement (continued)

The purpose of the System of Internal Control

The system of internal control is designed to manage risk to a reasonable level rather than to eliminate all risk of failure to achieve policies, aims and objectives; it can therefore only provide reasonable and not absolute assurance of effectiveness. The system of internal control is based on an ongoing process designed to identify and prioritise the risks to the achievement of Trust policies, aims and objectives, to evaluate the likelihood of those risks being realised and the impact should they be realised, and to manage them efficiently, effectively and economically. The trusts financial transactions and internal controls were managed internally by the Chief Financial Officer and admin team and a good internal control system is in place. These are detailed in the Trust's Financial Handbook (which is available on request from school reception). A clear scheme of delegation has been established which makes it clear who has the power to make financial decisions, and what must be referred to the Board of Trustees. The school has procured the service of an Internal Audit Services from a firm of accountants which is independent of the school's External Auditors and Accountants.

The system of internal control has been in place in University of Liverpool Mathematics School for the year ended 31 August 2022 and up to the date of approval of the annual report and financial statements.

Capacity to Handle Risk

The Board of Trustees has reviewed the key risks to which the Trust is exposed together with the operating, financial and compliance controls that have been implemented to mitigate those risks. The Board of Trustees is of the view that there is a formal ongoing process for identifying, evaluating and managing the Trust's significant risks that has been in place for the year ended 31 August 2022 and up to the date of approval of the annual report and financial statements. This process is regularly reviewed by the Board of Trustees.

The Risk and Control Framework

The Academy Trust's system of internal financial control is based on a framework of regular management information and administrative procedures including the segregation of duties and a system of delegation and accountability. In particular, it includes:

- comprehensive budgeting and monitoring systems with an annual budget and periodic financial reports which are reviewed and agreed by the Governing Body;
- regular reviews by the Finance, Audit and Risk Committee of reports which indicate financial performance against the forecasts and of major purchase plans, capital works and expenditure programmes;
- setting targets to measure financial and other performance;
- clearly defined purchasing (asset purchase or capital investment) guidelines;
-
- identification and management of risks.

The Board of Trustees has considered the need for a specific internal audit function and has decided to employ UHY - Hacker Young as an Internal Auditor.

The internal audit process is totally independent of the External Audit.

The Internal Auditors have provided 3 days of audit this year. 2 days in the spring term and 1 day in the summer term. They have given the governing body a scheme of works covering the operation of systems of control and the discharge of the Board of Trustees financial responsibilities during their visits. Following each visit a report is sent to the Finance, Audit and Risk committee outlining areas to be reviewed, key findings, recommendations and conclusions to help the committee consider actions and assess year on year progress. The schedule of works for this year has been completed by the internal auditors.

University of Liverpool Mathematics School

Governance Statement (continued)

Review of Effectiveness

As Accounting Officer, the Headteacher has responsibility for reviewing the effectiveness of the system of internal control. During the year in question the review has been informed by:

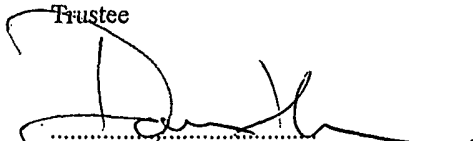
- the work of the internal auditor, UHY - Hacker Young ;
- the work of the external auditor- Beever and Struthers;
- the financial management and governance self-assessment process;
- the work of the executive managers within the academy trust who have responsibility for the development and maintenance of the internal control framework;

The Accounting Officer has been advised of the implications of the result of their review of the system of internal control by the Finance, Audit and Risk Committee and a plan to address weaknesses and ensure continuous improvement of the system is in place.

Approved by order of the members of the Governing Body on 14 December 2022 and signed on its behalf by:



Kathleen Johnson, Chair of Trustees
Trustee



Damian Haigh
Head Teacher

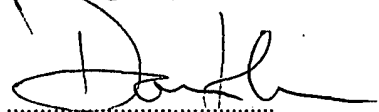
University of Liverpool Mathematics School

Statement of Regularity, Propriety and Compliance

As Accounting Officer of University of Liverpool Mathematics School I have considered my responsibility to notify the academy trust Governing Body and the Education and Skills Funding Agency (ESFA) of material irregularity, impropriety and non-compliance with terms and conditions of all funding received by the academy trust, under the funding agreement in place between the academy trust and the Secretary of State for Education. As part of my consideration I have had due regard to the requirements of the Academies Financial Handbook 2021.

I confirm that I and the academy trust Governing Body are able to identify any material irregular or improper use of funds by the academy trust, or material non-compliance with the terms and conditions of funding under the academy trust's funding agreement and the Academies Financial Handbook 2021.

I confirm that no instances of material irregularity, impropriety or funding non-compliance have been discovered to date. If any instances are identified after the date of this statement, these will be notified to the Governing Body and ESFA.



Damian Haigh
Accounting officer

14 December 2022

University of Liverpool Mathematics School

Statement of Trustees' Responsibilities

The Trustees (who are also the directors of the charitable company for the purposes of company law) are responsible for preparing the Trustees' Report and the financial statements in accordance with the Academies Accounts Direction published by the Education and Skills Funding Agency, United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice) and applicable law and regulations.

Company law requires the Trustees to prepare financial statements for each financial year. Under company law the Trustees must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the charitable company and of its incoming resources and application of resources, including its income and expenditure, for that period. In preparing these financial statements, the Trustees are required to:

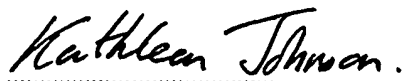
- select suitable accounting policies and apply them consistently;
- observe the methods and principles in the Charities SORP 2015 and the Academies Accounts Direction 2021 to 2022;
- make judgments and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charitable company will continue in business.

The Trustees are responsible for keeping adequate accounting records that are sufficient to show and explain the charitable company's transactions and disclose with reasonable accuracy at any time the financial position of the charitable company and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the charitable company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The Trustees are responsible for ensuring that in its conduct and operation the charitable company applies financial and other controls, which conform with the requirements both of propriety and of good financial management. They are also responsible for ensuring grants received from ESFA/DfE have been applied for the purposes intended.

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

Approved by order of the members of the Board on 14 December 2022 and signed on its behalf by:



Kathleen Johnson, Chair of Trustees
Trustee

University of Liverpool Mathematics School

Independent Auditor's Report on the Financial Statements to the Members of University of Liverpool Mathematics School

Opinion

We have audited the financial statements of University of Liverpool Mathematics School "the academy trust" for the year ended 31 August 2022, which comprise the Statement of Financial Activities for the year ended 31 August 2022 (including Income and Expenditure Account), Balance Sheet as at 31 August 2022, Statement of Cash Flows for the year ended 31 August 2022, 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 FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland" (United Kingdom Generally Accepted Accounting Practice) and the Academies Accounts Direction 2021 to 2022 issued by the Education and Skills Funding Agency.

In our opinion the financial statements:

- give a true and fair view of the state of the Academy's affairs as at 31 August 2022 and of its incoming resources and application of resources, including income and expenditure, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Companies Act 2006 and the Academies Accounts Direction 2021 to 2022 issued by the Education and Skills Funding Agency.

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 academy trust 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 Academy's ability to continue as a going concern for a period of at least twelve months from when the original financial statements were 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 (who are also the directors of the academy trust for the purposes of company law) 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.

University of Liverpool Mathematics School

Independent Auditor's Report on the Financial Statements to the Members of University of Liverpool Mathematics School (continued)

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.

Opinion on other matters prescribed by the Companies Act 2006

In our opinion, based on the work undertaken in the course of the audit:

- the information given in the Trustees' Report (incorporating the Strategic Report) for the financial year for which the financial statements are prepared is consistent with the financial statements; and
- the Strategic Report has been prepared in accordance with applicable legal requirements.

Matters on which we are required to report by exception

In the light of our knowledge and understanding of the company and its environment obtained in the course of the audit, we have not identified material misstatements in the Strategic Report.

We have nothing to report in respect of the following matters where the Companies Act 2006 requires us to report to you if, in our opinion:

- adequate accounting records have not been kept, or returns adequate for our audit have not been received from branches not visited by us; or
- the financial statements are not in agreement with the accounting records and returns; or
- certain disclosures of Trustees remuneration specified by law are not made; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of Trustees

As explained more fully in the Statement of Trustees' Responsibilities [set out on page 14], 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 the Trustees 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 Academy'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 Academy or to cease operations, or have no realistic alternative but to do so.

Auditor 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.

The extent to which our procedures are capable of detecting irregularities, including fraud is detailed below:

University of Liverpool Mathematics School

Independent Auditor's Report on the Financial Statements to the Members of University of Liverpool Mathematics School (continued)

Our approach to identifying and assessing the risks of material misstatement in respect of irregularities, including fraud and non-compliance with laws and regulations, was as follows:

- the engagement partner ensured that the engagement team collectively had the appropriate competence, capabilities and skills to identify or recognise non-compliance with applicable laws and regulations.
- we identified the laws and regulations applicable to the academy through discussions with trustees and other management, and from our knowledge and experience of the academy sector.
- we focused on specific laws and regulations which we considered may have a direct material effect on the financial statements or the operations of the academy, including the Companies Act 2006, the Charities Act 2011, and the Academies Accounts Direction 2020 to 2021 and Academies Financial Handbook 2020, both issued by the Education and Skills Funding Agency.
- we assessed the extent of compliance with the laws and regulations identified above through making enquiries of management and inspecting legal correspondence.
- identified laws and regulations were communicated within the audit team regularly and the team remained alert to instances of non-compliance throughout the audit.

We assessed the susceptibility of the academy's financial statements to material misstatement, including obtaining an understanding of how fraud might occur, by:

- making enquiries of management as to where they considered there was susceptibility to fraud, their knowledge of actual, suspected and alleged fraud.
- considering the internal controls in place to mitigate risks of fraud and non-compliance with laws and regulations.

To address the risk of fraud through management bias and override of controls, we:

- performed analytical procedures on material balances for which robust, substantive analytical procedures have been undertaken to identify any unusual or unexpected relationships.
- tested journal entries to identify unusual transactions.
- investigated the rationale behind significant or unusual transactions.

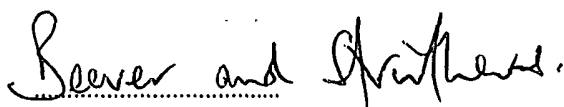
A further description of our responsibilities is available on the Financial Reporting Council's website at: www.frc.org.uk/auditorsresponsibilities. This description forms part of our auditor's report.

University of Liverpool Mathematics School

Independent Auditor's Report on the Financial Statements to the Members of University of Liverpool Mathematics School (continued)

Use of our report

This report is made solely to the academy trust's members, as a body, in accordance with Chapter 3 of Part 16 of the Companies Act 2006. Our audit work has been undertaken so that we might state to the academy trust's members 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 academy trust and the academy trust's members as a body, for our audit work, for this report, or for the opinions we have formed.



Andrew McLaren (Senior Statutory Auditor)

For and on behalf of Beever and Struthers, Statutory Auditor

One Express
1 George Leigh Street
Manchester
M4 5DL

14 December 2022

University of Liverpool Mathematics School

Independent Reporting Accountant's Assurance Report on Regularity to University of Liverpool Mathematics School and the Education and Skills Funding Agency

In accordance with the terms of our engagement letter dated 10 November 2022 and further to the requirements of the Education and Skills Funding Agency (ESFA) as included in the Academies Accounts Direction 2021 to 2022, we have carried out an engagement to obtain limited assurance about whether the expenditure disbursed and income received by University of Liverpool Mathematics School during the period 1 September 2021 to 31 August 2022 have been applied to the purposes identified by Parliament and the financial transactions conform to the authorities which govern them.

This report is made solely to University of Liverpool Mathematics School and the ESFA in accordance with the terms of our engagement letter. Our work has been undertaken so that we may state to University of Liverpool Mathematics School and the ESFA those matters we are required to state in a report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than University of Liverpool Mathematics School and the ESFA, for our work, for this report, or for the conclusion we have formed.

Respective responsibilities of the Governing Body's accounting officer and the reporting accountant

The Accounting Officer is responsible, under the requirements of the Governing Body's funding agreement with the Secretary of State for Education dated and the Academies Financial Handbook extant from 1 September 2021, for ensuring that expenditure disbursed and income received is applied for the purposes intended by Parliament and the financial transactions conform to the authorities which govern them.

Our responsibilities for this engagement are established in the United Kingdom by our profession's ethical guidance and are to obtain limited assurance and report in accordance with our engagement letter and the requirements of the Academies Accounts Direction 2021 to 2022. We report to you whether anything has come to our attention in carrying out our work which suggests that in all material respects, expenditure disbursed and income received during the year from 1 September 2021 to 31 August 2022 have not been applied to purposes intended by Parliament or that the financial transactions do not conform to the authorities which govern them.

Approach

We conducted our engagement in accordance with the Framework and Guide for External Auditors and Reporting Accountant of Academy Trusts issued by ESFA. We performed a limited assurance engagement as defined in our engagement letter.

The objective of a limited assurance engagement is to perform such procedures as to obtain information and explanations in order to provide us with sufficient appropriate evidence to express a negative conclusion on regularity.

A limited assurance engagement is more limited in scope than a reasonable assurance engagement and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in a reasonable assurance engagement. Accordingly, we do not express a positive opinion.

Our engagement includes examination, on a test basis, of evidence relevant to the regularity and propriety of the academy trust's income and expenditure.

The work undertaken to draw to our conclusion includes:

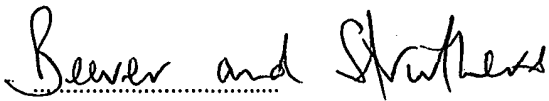
- Review and testing of financial systems of internal control
- Sample testing of transactions
- Discussions with management

University of Liverpool Mathematics School

**Independent Reporting Accountant's Assurance Report on Regularity to University of
Liverpool Mathematics School and the Education and Skills Funding Agency
(continued)**

Conclusion

In the course of our work, nothing has come to our attention which suggests that in all material respects the expenditure disbursed and income received during the year from 1 September 2021 to 31 August 2022 has not been applied to purposes intended by Parliament and the financial transactions do not conform to the authorities which govern them.

A handwritten signature in black ink, appearing to read 'Beever and Struthers', with a dotted line underneath.

Andrew McLaren

For and on behalf of Beever and Struthers, Chartered Accountants

One Express
1 George Leigh Street
Manchester
M4 5DL

14 December 2022

University of Liverpool Mathematics School

Statement of Financial Activities for the Year Ended 31 August 2022 (including Income and Expenditure Account)

	Note	Unrestricted Funds £	Restricted General Funds £	Restricted Fixed Asset Funds £	2021/22 Total £
Income and endowments from:					
Donations and capital grants	2	-	131,360	4,653	136,013
Other trading activities	4	1,380	14,069	-	15,449
<i>Charitable activities:</i>					
Funding for the Academy trust's educational operations	3	-	793,385	-	793,385
Total		1,380	938,814	4,653	944,847
Expenditure on:					
<i>Charitable activities:</i>					
Academy trust educational operations	6	-	932,023	13,095	945,118
Net income/(expenditure)		1,380	6,791	(8,442)	(271)
Transfers between funds		-	31,809	(31,809)	-
Other recognised gains and losses					
Actuarial gains on defined benefit pension schemes	20	-	37,000	-	37,000
Net movement in funds/(deficit)		1,380	75,600	(40,251)	36,729
Reconciliation of funds					
Total funds brought forward at 1 September 2021		491	198,543	110,146	309,180
Total funds carried forward at 31 August 2022		1,871	274,143	69,895	345,909

University of Liverpool Mathematics School

Statement of Financial Activities for the Year Ended 31 August 2021 (including Income and Expenditure Account)

	Note	Unrestricted Funds £	Restricted General Funds £	Restricted Fixed Asset Funds £	2020/21 Total £
Income and endowments from:					
Donations and capital grants	2	-	142,005	-	142,005
Other trading activities	4	491	-	-	491
<i>Charitable activities:</i>					
Funding for the Academy trust's educational operations	3	-	739,450	-	739,450
Total		491	881,455	-	881,946
Expenditure on:					
<i>Charitable activities:</i>					
Academy trust educational operations	6	-	736,168	114,327	850,495
Net income/(expenditure)		491	145,287	(114,327)	31,451
Other recognised gains and losses					
Actuarial gains on defined benefit pension schemes	20	-	(4,000)	-	(4,000)
Net movement in funds/(deficit)		491	141,287	(114,327)	27,451
Reconciliation of funds					
Total funds brought forward at 1 September 2020		-	57,256	224,473	281,729
Total funds carried forward at 31 August 2021		491	198,543	110,146	309,180

University of Liverpool Mathematics School

(Registration number: 11686521)
Balance Sheet as at 31 August 2022

	Note	2022 £	2021 £
Fixed assets			
Tangible assets	10	17,300	27,100
Current assets			
Debtors	11	103,520	134,823
Cash at bank and in hand		<u>287,549</u>	<u>308,489</u>
		391,069	443,312
Liabilities			
Creditors: Amounts falling due within one year	12	<u>(49,460)</u>	<u>(139,232)</u>
Net current assets		<u>341,609</u>	<u>304,080</u>
Total assets less current liabilities		<u>358,909</u>	<u>331,180</u>
Net assets excluding pension liability		358,909	331,180
Defined benefit pension scheme liability	20	<u>(13,000)</u>	<u>(22,000)</u>
Total net assets including pension liability		<u>345,909</u>	<u>309,180</u>
Funds of the Academy:			
Restricted funds			
Restricted general fund		287,143	220,543
Restricted fixed asset fund		69,895	110,146
Restricted pension fund		<u>(13,000)</u>	<u>(22,000)</u>
		344,038	308,689
Unrestricted funds			
Unrestricted general fund		<u>1,871</u>	<u>491</u>
Total funds		<u>345,909</u>	<u>309,180</u>

The financial statements on pages 21 to 41 were approved by the Trustees, and authorised for issue on 14 December 2022 and signed on their behalf by:

Kathleen Johnson

Kathleen Johnson, Chair of Trustees
Trustee

University of Liverpool Mathematics School

Statement of Cash Flows for the year ended 31 August 2022

	Note	2022 £	2021 £
Cash flows from operating activities			
Net cash (used in)/provided by operating activities	15	(22,298)	228,827
Cash flows from investing activities	16	<u>1,358</u>	<u>(22,578)</u>
Change in cash and cash equivalents in the year		(20,940)	206,249
Cash and cash equivalents at 1 September		<u>308,489</u>	<u>102,240</u>
Cash and cash equivalents at 31 August	17	<u><u>287,549</u></u>	<u><u>308,489</u></u>

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022

1 Accounting policies

A summary of the principal accounting policies adopted (which have been applied consistently, except where noted), judgements and key sources of estimation uncertainty, is set out below.

Going concern

The trustees assess whether the use of going concern is appropriate i.e. whether there are any material uncertainties related to events or conditions that may cast significant doubt on the ability of the company to continue as a going concern. The trustees make this assessment in respect of a period of at least one year from the date of authorisation for issue of the financial statements and have concluded that the academy trust has adequate resources to continue in operational existence for the foreseeable future and there are no material uncertainties about the academy trust's ability to continue as a going concern, thus they continue to adopt the going concern basis of accounting in preparing the financial statements.

Income

All incoming resources are recognised when the academy trust has entitlement to the funds, the receipt is probable and the amount can be measured reliably.

Grants

Grants are included in the Statement of Financial Activities on a receivable basis. The balance of income received for specific purposes but not expended during the period is shown in the relevant funds on the balance sheet. Where income is received in advance of meeting any performance-related conditions there is not unconditional entitlement to the income and its recognition is deferred and included in creditors as deferred income until the performance-related conditions are met. Where entitlement occurs before income is received, the income is accrued.

General Annual Grant is recognised in full in the Statement of Financial Activities in the year for which it is receivable and any abatement in respect of the period is deducted from income and recognised as a liability.

Capital grants are recognised in full when there is an unconditional entitlement to the grant. Unspent amounts of capital grants are reflected in the balance sheet in the restricted fixed asset fund. Capital grants are spent on capital projects in line with the terms and conditions of the grant. Capital grants are recognised when there is entitlement and are not deferred over the life of the asset on which they are expended.

Donations

Donations are recognised on a receivable basis (where there are no performance-related conditions) where the receipt is probable and the amount can be reliably measured.

Other income

Other income, including the hire of facilities, is recognised in the period it is receivable and to the extent the academy trust has provided the goods or services.

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

1 Accounting policies (continued)

Expenditure

Expenditure is recognised once there is a legal or constructive obligation to transfer economic benefit to a third party, it is probable that a transfer of economic benefits will be required in settlement and the amount of the obligation can be measured reliably. Expenditure is classified by activity. The costs of each activity are made up of the total of direct costs and shared costs, including support costs involved in undertaking each activity. Direct costs attributable to a single activity are allocated directly to that activity. Shared costs which contribute to more than one activity and support costs which are not attributable to a single activity are apportioned between those activities on a basis consistent with the use of resources. Central staff costs are allocated on the basis of time spent, and depreciation charges allocated on the portion of the asset's use.

All resources expended are inclusive of irrecoverable VAT.

Expenditure on raising funds

This includes all expenditure incurred by the academy trust to raise funds for its charitable purposes and includes costs of all fundraising activities events and non-charitable trading.

Charitable activities

These are costs incurred on the academy trust's educational operations, including support costs and costs relating to the governance of the academy trust apportioned to charitable activities.

All resources expended are inclusive of irrecoverable VAT.

Tangible fixed assets

Assets costing £1,000 or more are capitalised as tangible fixed assets and are carried at cost, net of depreciation and any provision for impairment.

Where tangible fixed assets have been acquired with the aid of specific grants, either from the government or from the private sector, they are included in the Balance Sheet at cost and depreciated over their expected useful economic life. Where there are specific conditions attached to the funding requiring the continued use of the asset, the related grants are credited to a restricted fixed asset fund in the Statement of Financial Activities and carried forward in the Balance Sheet. Depreciation on the relevant assets is charged directly to the restricted fixed asset fund in the Statement of Financial Activities. Where tangible fixed assets have been acquired with unrestricted funds, depreciation on such assets is charged to the unrestricted fund.

Depreciation is provided on all tangible fixed assets other than freehold land and assets under construction, at rates calculated to write off the cost of each asset on a [straight-line/reducing balance] basis over its expected useful life, per the table below. Where an asset comprises of two or more components which have substantially different useful lives, each component is depreciated separately over its useful economic life.

A review for impairment of a fixed asset is carried out if events or changes in circumstances indicate that the carrying value of any fixed asset may not be recoverable. Shortfalls between the carrying value of fixed assets and their recoverable amounts are recognised as impairments. Impairment losses are recognised in the Statement of Financial Activities.

Asset class	Depreciation method and rate
Furniture and equipment	10% straight line basis
Computer equipment	33% straight line basis

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

1 Accounting policies (continued)

Debtors

Trade and other debtors are recognised at the settlement amount after any trade discount offered. Prepayments are valued at the amount prepaid net of any trade discounts due.

Cash at bank and in hand

Cash at bank and in hand includes cash and short term highly liquid investments with a short maturity of three months or less from the date of acquisition or opening of the deposit or similar account.

Liabilities

Liabilities are recognised when there is an obligation at the balance sheet date as a result of a past event, it is probable that a transfer of economic benefit will be required in settlement, and the amount of the settlement can be estimated reliably. Liabilities are recognised at the amount that the academy trust anticipates it will pay to settle the debt or the amount it has received as advanced payments for the goods or services it must provide.

Provisions

Provisions are recognised when the academy trust has an obligation at the reporting date as a result of a past event which it is probable will result in the transfer of economic benefits and the obligation can be estimated reliably.

Provisions are measured at the best estimate of the amounts required to settle the obligation. Where the effect of the time value of money is material, the provision is based on the present value of those amounts, discounted at the pre-tax discount rate that reflects the risks specific to the liability. The unwinding of the discount is recognised within interest payable and similar charges.

Leased assets

Rentals under operating leases are charged on a straight-line basis over the lease term.

Taxation

The academy trust is considered to pass the tests set out in Paragraph 1 Schedule 6 of the Finance Act 2010 and therefore it meets the definition of a charitable company for UK corporation tax purposes.

Accordingly, the academy trust is potentially exempt from taxation in respect of income or capital gains received within categories covered by Chapter 3 Part 11 of the Corporation Tax Act 2010 or Section 256 of the Taxation of Chargeable Gains Act 1992, to the extent that such income or gains are applied exclusively to charitable purposes.

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

1 Accounting policies (continued)

Pension benefits

Retirement benefits to employees of the Academy Trust are provided by the Teachers' Pension Scheme ('TPS') and the Local Government Pension Scheme ('LGPS'). These are defined benefit schemes. The TPS is an unfunded scheme and contributions are calculated so as to spread the cost of pensions over employees' working lives with the Academy Trust in such a way that the pension cost is a substantially level percentage of current and future pensionable payroll. The contributions are determined by the Government Actuary on the basis of quadrennial valuations using a prospective unit credit method. As stated in the notes to the financial statements, the TPS is a multi-employer scheme and there is insufficient information available to use defined benefit accounting. The TPS is therefore treated as a defined contribution scheme for accounting purposes and the contributions recognised in the period to which they relate.

The LGPS is a funded scheme and the assets are held separately from those of the Academy Trust in separate trustee administered funds. Pension scheme assets are measured at fair value and liabilities are measured on an actuarial basis using the projected unit credit method and discounted at a rate equivalent to the current rate of return on a high quality corporate bond of equivalent term and currency to the liabilities. The actuarial valuations are obtained at least triennially and are updated at each balance sheet date. The amounts charged to operating surplus are the current service costs and the costs of scheme introductions, benefit changes, settlements and curtailments. They are included as part of staff costs as incurred. Net interest on the net defined benefit liability/asset is also recognised in the Statement of Financial Activities and comprises the interest cost on the defined benefit obligation and interest income on the scheme assets, calculated by multiplying the fair value of the scheme assets at the beginning of the period by the rate used to discount the benefit obligations. The difference between the interest income on the scheme assets and the actual return on the scheme assets is recognised in other recognised gains and losses.

Actuarial gains and losses are recognised immediately in other recognised gains and losses.

Fund accounting

Unrestricted income funds represent those resources which may be used towards meeting any of the charitable objects of the academy trust at the discretion of the trustees.

Restricted fixed asset funds are resources which are to be applied to specific capital purposes imposed by the Education and Skills Funding Agency/Department for Education/sponsor/other funders where the asset acquired or created is held for a specific purpose.

Restricted general funds comprise all other restricted funds received with restrictions imposed by the funder/donor and include grants from the Education and Skills Funding Agency/Department for Education.

Critical accounting estimates and areas of judgement

Estimates and judgements are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

1 Accounting policies (continued)

Critical accounting estimates and assumptions

The academy trust makes estimates and assumptions concerning the future. The resulting accounting estimates and assumptions will, by definition, seldom equal the related actual results. The estimates and assumptions that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are discussed below.

The present value of the Local Government Pension Scheme defined benefit liability depends on a number of factors that are determined on an actuarial basis using a variety of assumptions. The assumptions used in determining the net cost (income) for pensions include the discount rate. Any changes in these assumptions, which are disclosed in note x, will impact the carrying amount of the pension liability. Furthermore a roll forward approach which projects results from the latest full actuarial valuation performed at 31 March 2019 has been used by the actuary in valuing the pensions liability at 31 August 2022. Any differences between the figures derived from the roll forward approach and a full actuarial valuation would impact on the carrying amount of the pension liability.

Agency accounting

The academy trust acts as an agent in distributing 16-19 bursary funds from ESFA. Payments received from ESFA and subsequent disbursements to students are excluded from the statement of financial activities as the trust does not have control over the charitable application of the funds. The trust can use up to 0% of the allocation towards its own administration costs and this is recognised in the statement of financial activities. The funds received and paid and any balances held are disclosed in note X.

2 Donations and capital grants

	Restricted funds £	Restricted fixed asset funds £	2021/22 Total £	2020/21 Total £
Capital grants	-	4,653	4,653	-
Other donations	131,360	-	131,360	142,005
	<u>131,360</u>	<u>4,653</u>	<u>136,013</u>	<u>142,005</u>

The income from donations and capital grants was £136,013 (2021: £142,005) which was allocated between the funds as follows; £Nil unrestricted funds (2021: £Nil), £131,360 restricted funds (2021: £142,005), £4,653 restricted fixed asset funds (2021: £Nil) and £Nil endowment funds (2021: £Nil).

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

3 Funding for the Academy Trust's educational operations

	Restricted funds £	2021/22 Total £	2020/21 Total £
DfE/ESFA revenue grants			
GAG	737,705	737,705	639,728
DFE lease grant	44,000	44,000	44,000
ITT bursaries grant	-	-	8,454
Teacher's pay grant	-	-	26,478
Outreach	-	-	4,480
	<u>781,705</u>	<u>781,705</u>	<u>723,140</u>
Covid-19 additional funding (DfE/ESFA)			
Mass testing	<u>11,680</u>	<u>11,680</u>	<u>16,310</u>
Total grants	<u><u>793,385</u></u>	<u><u>793,385</u></u>	<u><u>739,450</u></u>

The funding for educational operations was £793,385 (2021: £739,450) which was allocated between the funds as follows; £Nil unrestricted funds (2021: £Nil), £793,385 restricted funds (2021: £739,450), £Nil restricted fixed asset funds (2021: £Nil) and £Nil endowment funds (2021: £Nil).

Following the reclassification in the Academies Accounts Direction 2020/21 of some grants received from the Department for Education and ESFA, the academy trust's funding for Universal Infant Free School Meals and Pupil Premium is no longer reported under the Other DfE Group grants heading, but as separate lines under the Other DfE/ESFA grants heading. The prior year numbers have been reclassified.

4 Other trading activities

	Unrestricted funds £	Restricted funds £	2021/22 Total £	2020/21 Total £
Hire of facilities	-	-	-	225
Other sales	<u>1,380</u>	<u>14,069</u>	<u>15,449</u>	<u>266</u>
	<u><u>1,380</u></u>	<u><u>14,069</u></u>	<u><u>15,449</u></u>	<u><u>491</u></u>

The income from other trading activities was £15,449 (2021: £491) which was allocated between the funds as follows; £1,380 unrestricted funds (2021: £491), £14,069 restricted funds (2021: £Nil), £Nil restricted fixed asset funds (2021: £Nil) and £Nil endowment funds (2021: £Nil).



University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

5 Expenditure

	Non Pay Expenditure			2021/22	2020/21
	Staff costs	Premises	Other costs	Total	Total
	£	£	£	£	£
Academy's educational operations					
Direct costs	502,082	-	77,028	579,110	464,519
Allocated support costs	146,660	88,037	131,311	366,008	385,976
	<u>648,742</u>	<u>88,037</u>	<u>208,339</u>	<u>945,118</u>	<u>850,495</u>

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

5 Expenditure (continued)

Net income/(expenditure) for the year includes:

	2021/22 £	2020/21 £
Operating lease rentals	73,090	73,000
Depreciation	13,095	11,966
Fees payable to auditor - audit	7,140	7,950
- other audit services	3,500	1,450

6 Charitable activities

	2021/22 £	2020/21 £
Direct costs - educational operations	579,110	464,519
Support costs - educational operations	366,008	385,976
	<u>945,118</u>	<u>850,495</u>

	Educational operations £	2021/22 Total £	2020/21 Total £
Analysis of support costs			
Support staff costs	146,660	146,660	109,005
Depreciation	13,095	13,095	11,966
Technology costs	31,360	31,360	108,376
Premises costs	74,942	74,942	73,806
Other support costs	99,661	99,661	82,698
Governance costs	290	290	125
Total support costs	<u>366,008</u>	<u>366,008</u>	<u>385,976</u>

7 Staff

Staff costs

	2021/22 £	2020/21 £
Staff costs during the year were:		
Wages and salaries	467,477	372,664
Social security costs	51,261	36,531
Operating costs of defined benefit pension schemes	130,004	98,743
	<u>648,742</u>	<u>507,938</u>

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

7 Staff (continued)

Staff numbers

The average number of persons employed by the academy trust during the year was as follows:

	2021/22 No	2020/21 No
Leadership	2	2
Teachers	6	4
Administration and support	4	4
	<u>12</u>	<u>10</u>

Higher paid staff

The number of employees whose emoluments exceeded £60,000 was:

	2022 No	2021 No
£70,001 - £80,000	<u>1</u>	<u>1</u>

Key management personnel

The key management personnel of the academy trust comprise the trustees and the senior management team as listed on page 1. The total amount of key management personnel benefits (including employer pension contributions and employer national insurance contributions) received by key management personnel for their services to the academy trust was £213,270 (2021: £208,499).

8 Related party transactions - trustees' remuneration and expenses

One or more trustees has been paid remuneration or has received other benefits from employment with the academy trust. The principal and other staff trustees only receive remuneration in respect of services they provide undertaking the roles of principal and staff members under their contracts of employment, and not in respect of their role as trustees. The value of trustees' remuneration and other benefits was as follows:

Damian Haigh (Headteacher):

Remuneration: £70,000 - £75,000 (2021 - £70,000 - £75,000)

Employer's pension contributions: £5,000 - £10,000 (2021 - £5,000 - £10,000)

During the year ended 31 August 2022, travel and subsistence expenses totalling £Nil (2021 - £Nil) were reimbursed or paid directly to 0 trustees (2021 - 0).

Other related party transactions involving the trustees are set out in note 21.

9 Trustees' and officers' insurance

The Trust has opted into the Department for education's risk protection arrangement (RPA), an alternative to insurance where UK government funds cover losses that arise. This scheme protects Trustees and officers from claims arising from negligent acts, errors or omissions occurring whilst on academy business, and provides cover up to £10,000,000. It is not possible to quantify the Trustees and officers indemnity element from the overall cost of the RPA scheme membership.

University of Liverpool Mathematics School

Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

10 Tangible fixed assets

	Furniture and equipment £	Computer equipment £	Total £
Cost			
At 1 September 2021	4,999	34,538	39,537
Additions	-	3,295	3,295
At 31 August 2022	4,999	37,833	42,832
Depreciation			
At 1 September 2021	500	11,937	12,437
Charge for the year	500	12,595	13,095
At 31 August 2022	1,000	24,532	25,532
Net book value			
At 31 August 2022	3,999	13,301	17,300
At 31 August 2021	4,499	22,601	27,100

11 Debtors

	2022 £	2021 £
Trade debtors	2,360	4,480
Other debtors	4,856	18,577
Prepayments	96,304	111,766
	103,520	134,823

12 Creditors: amounts falling due within one year

	2022 £	2021 £
Trade creditors	1,050	19,984
Other taxation and social security	24,479	10,330
Other creditors	-	48,365
Accruals	12,931	41,553
Deferred income	11,000	19,000
	49,460	139,232

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

12 Creditors: amounts falling due within one year (continued)

	2022 £	2021 £
Deferred income		
Deferred income at 1 September 2021	19,000	-
Resources deferred in the period	11,000	19,000
Amounts released from previous periods	<u>(19,000)</u>	<u>-</u>
Deferred income at 31 August 2022	<u>11,000</u>	<u>19,000</u>

13 Funds

	Balance at 1 September 2021 £	Incoming resources £	Resources expended £	Gains, losses and transfers £	Balance at 31 August 2022 £
Restricted general funds					
Restricted general fund	220,543	949,089	(914,298)	31,809	287,143
Restricted fixed asset funds					
Restricted fixed asset fund	110,146	4,653	(13,095)	(31,809)	69,895
Restricted pension funds					
Pension liability	<u>(22,000)</u>	<u>22,000</u>	<u>(50,000)</u>	<u>37,000</u>	<u>(13,000)</u>
Total restricted funds	308,689	975,742	(977,393)	37,000	344,038
Unrestricted funds					
Unrestricted general funds	<u>491</u>	<u>1,380</u>	<u>-</u>	<u>-</u>	<u>1,871</u>
Total funds	<u>309,180</u>	<u>977,122</u>	<u>(977,393)</u>	<u>37,000</u>	<u>345,909</u>

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

13 Funds (continued)

Comparative information in respect of the preceding period is as follows:

	Balance at 1 September 2020 £	Incoming resources £	Resources expended £	Gains, losses and transfers £	Balance at 31 August 2021 £
Restricted general funds					
Restricted general fund	57,256	881,455	(718,168)	-	220,543
Restricted fixed asset funds					
Restricted fixed asset fund	224,473	-	(114,327)	-	110,146
Restricted pension funds					
Pension liability	-	-	(18,000)	(4,000)	(22,000)
Total restricted funds	281,729	881,455	(850,495)	(4,000)	308,689
Unrestricted funds					
Unrestricted general funds	-	491	-	-	491
Total funds	281,729	881,946	(850,495)	(4,000)	309,180

14 Analysis of net assets between funds

Fund balances at 31 August 2022 are represented by:

	Unrestricted funds £	Restricted general funds £	Restricted fixed asset funds £	Total funds £
Tangible fixed assets	-	-	17,300	17,300
Current assets	1,871	336,603	52,595	391,069
Current liabilities	-	(49,460)	-	(49,460)
Pension scheme liability	-	(13,000)	-	(13,000)
Total net assets	1,871	274,143	69,895	345,909

Comparative information in respect of the preceding period is as follows:

	Unrestricted funds £	Restricted general funds £	Restricted fixed asset funds £	Total funds £
Tangible fixed assets	-	-	27,100	27,100
Current assets	491	359,775	83,046	443,312
Current liabilities	-	(139,232)	-	(139,232)
Pension scheme liability	-	(22,000)	-	(22,000)
Total net assets	491	198,543	110,146	309,180

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

15 Reconciliation of net (expenditure)/income to net cash inflow/(outflow) from operating activities

	2021/22 £	2020/21 £
Net (expenditure)/income	(271)	31,451
Depreciation	13,095	11,966
Capital grants from DfE and other capital income	(4,653)	-
Defined benefit pension scheme cost less contributions payable	28,000	18,000
Decrease in debtors	31,303	100,588
(Decrease)/increase in creditors	<u>(89,772)</u>	<u>66,822</u>
Net cash (used in)/provided by Operating Activities	<u>(22,298)</u>	<u>228,827</u>

16 Cash flows from investing activities

	2021/22 £	2020/21 £
Purchase of tangible fixed assets	(3,295)	(22,578)
Capital funding received from sponsors and others	<u>4,653</u>	<u>-</u>
Net cash provided by/(used in) investing activities	<u>1,358</u>	<u>(22,578)</u>

17 Analysis of cash and cash equivalents

	2022 £	2021 £
Cash in hand and at bank	<u>287,549</u>	<u>308,489</u>
Total cash and cash equivalents	<u>287,549</u>	<u>308,489</u>

18 Analysis of changes in net debt

	At 1 September 2021 £	Cash flows £	At 31 August 2022 £
Cash	308,489	(20,940)	287,549
	<u>-</u>	<u>-</u>	<u>-</u>
Total	<u>308,489</u>	<u>(20,940)</u>	<u>287,549</u>

19 Members' liability

Each member of the charitable company undertakes to contribute to the assets of the charitable company in the event of it being wound up while they are a member, or within one year after they cease to be a member, such amount as may be required, not exceeding £Nil for the debts and liabilities contracted before they ceased to be a member.

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

20 Pension and similar obligations

The academy trust's employees belong to two principal pension schemes: the Teachers' Pension Scheme England and Wales (TPS) for academic and related staff; and the Local Government Pension Scheme (LGPS) for non-teaching staff, which is managed by . Both are multi-employer defined benefit schemes.

The latest actuarial valuation of the TPS related to the period ended 31 March 2016 and of the LGPS to the period ended 31 March 2019.

There were no outstanding or prepaid contributions at either the beginning or the end of the financial year.

Teachers' Pension Scheme

The Teachers' Pension Scheme (TPS) is a statutory, contributory, defined benefit scheme, governed by the Teachers' Pension Scheme Regulations 2014. Membership is automatic for teachers in academies All teachers have the option to opt-out of the TPS following enrolment.

The TPS is an unfunded scheme to which both member and employer makes contributions, as a percentage of salary - these contributions are credited to the Exchequer. Retirement and other pension benefits are paid by public funds provided by Parliament.

Valuation of the Teachers' Pension Scheme

The Government Actuary, using normal actuarial principles, conducts a formal actuarial review of the TPS in accordance with the Public Service Pensions (Valuations and Employer Cost Cap) Directions 2014 published by HM Treasury every 4 years. The aim of the review is to specify the level of future contributions. Actuarial scheme valuations are dependent on assumptions about the value of future costs, design of benefits and many other factors. The latest actuarial valuation of the TPS was carried out as at 31 March 2016. The valuation report was published by the Department for Education on 5 March 2019.

The key elements of the valuation and subsequent consultation are:

- employer contribution rates set at 23.68% of pensionable pay (including a 0.08% administration levy)
- total scheme liabilities (pensions currently in payment and the estimated cost of future benefits) for service to the effective date of £218,100 million, and notional assets (estimated future contributions together with the notional investments held at the valuation date) of £196,100 million giving a notional past service deficit of £22,000 million
- the SCAPE rate, set by HMT, is used to determine the notional investment return. The current SCAPE rate is 2.4% above the rate of CPI. Assumed real rate of return is 2.4% in excess of prices and 2% in excess of earnings. The rate of real earnings growth is assumed to be 2.2%. The assumed nominal rate of return including earnings growth is 4.45%.

The next valuation result is due to be implemented from 1 April 2023.

The employer's pension costs paid to TPS in the period amounted to £56,715 (2021: £38,299).

A copy of the valuation report and supporting documentation is on the Teachers' Pensions website.

Under the definitions set out in FRS 102, the TPS is an unfunded multi-employer pension scheme. The academy trust has accounted for its contributions to the scheme as if it were a defined contribution scheme. The academy trust has set out above the information available on the scheme.

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

20 Pension and similar obligations (continued)

Local government pension scheme

The LGPS is a funded defined-benefit scheme, with the assets held in separate trustee-administered funds. The total contribution made for the year ended 31 August 2022 was £22,000 (2021 - £19,000), of which employer's contributions totalled £16,000 (2021 - £14,000) and employees' contributions totalled £6,000 (2021 - £5,000). The agreed contribution rates for future years are 16 per cent for employers and per cent for employees.

Parliament has agreed, at the request of the Secretary of State for Education, to a guarantee that, in the event of an academy trust closure, outstanding Local Government Pension Scheme liabilities would be met by the Department for Education. The guarantee came into force on 18 July 2013.

Principal actuarial assumptions

	2022 %	2021 %
Rate of increase in salaries	4.30	4.30
Rate of increase for pensions in payment/inflation	2.90	2.90
Discount rate for scheme liabilities	4.30	1.70
Inflation assumptions (CPI)	<u>2.80</u>	<u>2.80</u>

The current mortality assumptions include sufficient allowance for future improvements in the mortality rates. The assumed life expectations on retirement age 65 are:

	2022	2021
Retiring today		
Males retiring today	20.90	21.00
Females retiring today	24.00	24.10
Retiring in 20 years		
Males retiring in 20 years	22.40	22.60
Females retiring in 20 years	<u>25.90</u>	<u>26.00</u>

Sensitivity analysis

	2022 £	2021 £
Discount rate +0.1%	21,000.00	21,000.00
Discount rate -0.1%	-21,000.00	-21,000.00
Mortality assumption – 1 year increase	22,000.00	24,000.00
Mortality assumption – 1 year decrease	-22,000.00	-24,000.00
CPI rate +0.1%	21,000.00	22,000.00
CPI rate -0.1%	<u>-21,000.00</u>	<u>-22,000.00</u>

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

20 Pension and similar obligations (continued)

The academy trust's share of the assets in the scheme were:

	2022 £	2021 £
Equities	20,000	11,000
Corporate bonds	1,000	2,000
Government bonds	4,000	-
Property	4,000	2,000
Cash and other liquid assets	1,000	-
Other	10,000	5,000
Total market value of assets	<u>40,000</u>	<u>20,000</u>

The actual return on scheme assets was (£1,000) (2021 - £2,000).

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Notes to the Financial Statements for the Year Ended 31 August 2022 (continued)

20 Pension and similar obligations (continued)

Amounts recognised in the statement of financial activities

	2021/22	2020/21
	£	£
Current service cost	44,000	32,000
Interest income	(1,000)	-
Interest cost	1,000	-
	<u>44,000</u>	<u>32,000</u>
Total amount recognized in the SOFA		

Changes in the present value of defined benefit obligations were as follows:

	2021/22	2020/21
	£	£
At start of period	41,000	-
Current service cost	44,000	32,000
Interest cost	1,000	-
Employee contributions	6,000	5,000
Actuarial (gain)/loss	(40,000)	4,000
Effect of non-routine settlements	1,000	-
	<u>53,000</u>	<u>41,000</u>
At 31 August		

Changes in the fair value of academy's share of scheme assets:

	2021/22	2020/21
	£	£
At start of period	19,000	-
Interest income	1,000	-
Actuarial gain/(loss)	(3,000)	-
Employer contributions	16,000	14,000
Employee contributions	6,000	5,000
Effect of non-routine settlements	1,000	-
	<u>40,000</u>	<u>19,000</u>
At 31 August		

21 Related party transactions

Owing to the nature of the academy trust and the composition of the board of Trustees being drawn from local public and private sector organisations, transactions may take place with organisations in which the trustees have an interest. The following related party transactions took place in the financial period.

22 Agency arrangements

The academy trust distributes 16-19 bursary funds to students as an agent for ESFA. In the accounting period ending 31 August 2022 the academy trust received £10,750 and disbursed £10,750 from the fund. An amount of £Nil is included in other creditors relating to undistributed funds that is repayable to ESFA.

Comparatives for the accounting period ending 31 August 2021 are £Nil received, £Nil disbursed and £Nil included in other creditors.