

Trustee Year End Report April 2019

Our Purpose

The Kinetic Science Foundation is a Charity. We are an ethical, inspiring and non-denominational community led project. Our reason for existing is to improve the lives and scientific knowledge of all young people and to provide a suitable, safe environment in which to do so. We offer a range of educational activities to inspire future scientists and support teachers in the classroom.

Trustees and reporting

The Kinetic Science Foundation is a Charity and is a Charitable Incorporated Organisation and was registered in February 2015. The Board of Trustees and Board of Advisors consist of High School Head Teachers, Business Consultants, Scientists and Science Professionals. The Boards discuss future activities and projects and will always take a vote on their strategic direction. With a structure of a Chair and a lead on Finance within the Board then the budgets and funding streams can be reviewed. The group meet bi-monthly which means decisions can be made instantly regarding strategic direction and to enable reaching crucial deadlines. There are also members who act as advisors for the Board on topics within the subjects we are delivering. We use our Vision and Aims to be the basis to the Foundation and the backbone of the Projects we deliver. The Governance of the Foundation is directed by our Constitution.

The Board of Trustees hereby present their Annual Report and financial statements of the Charity which have been prepared as a Receipts and Payments Account in line with guidance from the Charity Commission.

Aims of the Foundation

The aim and vision of the project is to provide educational, interactive, curriculum-based, hands-on science equipment, and experiments that enhance learning, inspire future scientists and bring the curriculum alive. What we provide through Outreach also aids and supports teachers in the classroom.

We wish to promote all STEM subjects through Outreach and taking our Roadshows and exhibits to schools, groups and to families in different settings and venues. By making education fun we aim to increase knowledge, self-esteem, prove it is available and accessible to all and improve knowledge of possible career paths.

This can be achieved through:

- Delivering STEM subjects and especially Science, Maths and Engineering.
- Taking Outreach into Primary, Secondary, Independent Schools and Academies, Schools for those with additional needs and Pupil Referral units.
- Making Science and Engineering accessible to a wider audience.
- Public Engagement Activities where the public can take part with little or no cost or charge including the Suffolk Science Festival.

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- Promoting to everyone that Science is a “subject achiever” and that you can be good at science without having literacy or maths as your best subjects.
- Attending public events like Career Fairs and Teacher Conferences to show how STEM is used in the wider world.

Activities and Achievements

This year was a turning point as far as our offering and was financially a tough year to make ends meet and still carry on the truly inspirational work. Workshops, experiments and science forums for schools have taken place over the year and has included attending and providing a hub for school science teachers by holding courses, forums, seminars etc. This will then enable the sharing of good practice and development of new strategies for teaching and learning, as well as taking resources back to the classroom in “kit” form.

Through Outreach we have worked with organisations including Form The Future, Marshalls, Treatts, Rolls Royce and several Local Authorities. We have survived a difficult year with thorough budget forecasting and by monitoring this closely to ensure the project’s sustainability and longevity. Our vision is to get children and young people interested in science, engineering and mathematics as well as learning about exercise and their health. We aim to empower young people to look at all possible choices of activities which may be beyond their normal reach.

Initially, the aims of the project have been achieved through outreach work and by supporting teachers in schools. We have written courses for schools including digital forensics and E-Safety. One of the Trustee’s advisors is a specialist in Digital Forensics which is another scientific aspect that can be covered in Outreach. All Workshops are cross-curriculum and cover all Primary School subjects and allow ICT, Maths and science to be used in a diverse way that it can be found within other subjects being taught.

Kinetic has a good following of customers and this has been achieved through the last four years of trading through our Outreach. Including our “Lab in a Library” which is part of our Community Engagement strategy and we take roadshows and workshops into Libraries across Suffolk, Norfolk and lately Cambridgeshire. The summer this year has seen our “Science in the Park” banner grow and now takes in 7 parks across three counties and has proven to be a huge success and an average of nearly 300 people per day. August this year saw the biggest event yet with over 400 people and over 200 children taking part in a rocket launch at Needham Lake in Suffolk over a 3 hour period. Kinetic works closely with local Museums and our Outreach appears in Museums as part of their offering of “Night at the Museum”. Launched last year was “Science at the Seaside” which saw us weekly at Felixstowe beach and we also attended Aldeburgh. The local authority paid us to entertain on Felixstowe beach and with a different offering each week, we saw over 1,500 people over the four days.

Measuring the impact that our work has had is a good way of reflecting on the quality of work as well as seeing if we really are impacting the next generation of students who may follow a STEM career path as a result of being inspired by Kinetic. Our reporting is very important in leading the direction of the charity and to work in different geographical areas throughout the UK. Through this work we

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hope to encourage young female students and those from minority backgrounds to consider Science as a future career. Our community activities have been in very diverse areas and have taken on some areas of deprivation and poverty. Where this has been the case, ie Canary wharf, the local authority have paid for us to be with the families and bring a different experience to their lives. All of this work has given us the opportunity to evaluate and measure every six months what we provide and this allows us in turn to see the progress students make in class and return visits from now regular customers in some districts that we work.

Our enquiries this year have included Berkshire, Sussex, Surrey, Birmingham, Bristol and abroad including the countries of France, Austria and Norway.

Objectives for the fourth year were met by the following methods:

Marketing

Our Website and Social Media are the best and main marketing tools. These do produce a result where advertising directly to schools has not been successful. Social Media activity has increased in Year four and this is proving to be a good marketing tool. With several appearances in the BBC Radio show in Year four, as well as the previous year, then the Kinetic Project was being promoted to a very new audience. Teacher Conferences are a good way of promoting what our Charity offers and has been well received when we explain our content and various workshops. Investing in literature for careers fairs and for festivals has increased the customer enquiries.

Attending Fairs and Markets

This year we have attended more fairs, festivals and markets. Building on the success of the first trial run of our created "Suffolk Science Festival" it was decided to make this an annual event and in February saw the second five day event which welcomed over 17,800 visitors to the town of Bury St Edmunds. As on previous years, we have had stalls at the Suffolk Show, Agriculture Day for schools, the Skills Show which saw over 4,000 students and numerous Career Fairs held in schools. Kinetic took part in over 60 events over six counties. This will be expanded further year on year which saw this spread across East Anglia.

What were Kinetic Science's Main Objectives for this year?

The Project needs to be fully accessible and appropriate for use:

- Improve the visibility of Kinetic Science and take this to a wider audience. This audience does not have to be outside of East Anglia but to take to groups of people who have not had an engaged form of Science before.
- Encourage more young people in schools to consider Science as a career and measure this impact by evaluation, debate and forms.
- When taking the Outreach into schools include a presentation to the audience before starting the Roadshows telling them how we had careers in Science, Engineering and maths and explain the route to this passion.
- Work more closely with the schools in Norwich and Ipswich where there are people and families where English is not their first language.
- Engaging through demonstration rather than just written instructions and testing of the experiment but encouraging the students to try and test the

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chemicals and method and allowing that to be part of the process rather than leading the sessions.

- Allowing for self-expression and including that there is no wrong or right way of performing the sequence of experiments and workshops.
- Producing more thought provoking events engaging the wider community in areas that we have not worked before including trying the "Science in the Park" and creating workshops that can only be carried outside in the open space and engaging with the countryside and environment.
- Build self-esteem with team building built into activities within the project so that some activities will only work with more than one student working on the topic and that a joint approach is necessary.
- Promote health, exercise and healthy eating through the equipment, workshops and activities under the topic of Biology.
- Increase public engagement through the Suffolk Science Festival in February and attract a diverse audience who can access five days of science at no cost.

Popular Outreach this year has been the Astronomy, Engineering and Rain Forest and we now have a group of schools where our repeat custom is required to deliver different topics each time we are invited back to the school. Kinetic this year has been to schools in Cambridgeshire, Lincolnshire, Norfolk, Suffolk, London, Essex, Oxfordshire and Bedfordshire. We have found the Charges and Fees we ask the schools for the service has been competitive and our customers tell us that we are "value for money" and a "quality service". We ask teachers to evaluate our service and we can then learn what we do well and what can be improved.

The Suffolk Science Festival

Based over four town centre locations in Bury St. Edmunds, we offered free activities and exhibits to occupy families for an average of two to three hours each day for five days. Although the overall theme was the 50th anniversary of landing on the moon, there were topic days and included our Human Biology day. It was agreed that this should continue to be an annual event.

Partnership Working

Kinetic is working closely with like-minded Charities and organisations who are also promoting STEM (Science, Technology, Engineering and Maths) and these include Charities that work with High Schools and Careers based Charities with the same impact remit as ourselves. There have been new partnerships secured through collaborative work and this works for us to share good practice and work on joint projects. Working with the Suffolk Library service and going into Libraries with our "Lab in a Library" has proven very successful this year and has seen an increase in customer numbers. This year has seen increased interest from the Local authorities in Suffolk and we have secured some events through working closely with their engagement teams, including Mid Suffolk DC and the Needham Lake "Science in the Park" offering. Including working with Charities, the increased need to develop workshops with other STEM organisations has increased and allows us to work on a more uniformed approach on how to offer schools, value for money workshops. This has included working with schools in London who are looking for a different approach to "E Safety" and one that increases pupil and teacher knowledge on how to use the internet safely.

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Community Engagement

The Community Engagement has increased year on year and this year saw an increase of working with Scouts, Brownies, Guides, and Beavers. Kinetic has also attended numerous school fetes and school Xmas fairs that are organised through PTA's. This has meant that we are having a stall and are working with the whole family as they attend a school fete as a family unit. Like last year we have attended numerous groups, Astronomy, Mothers Unions, Rotary Clubs and Oddfellows to demonstrate what we do and to also let this age group have a go at the science presented. The Lab in a Library has been very successful again this year and we have visited 50 libraries in the year and over 2,000 children have attended. Kinetic takes a Roadshow to the public and local children within a Library environment and charge the children a minimum fee to take part in science for two hours. The workshops and "taking part" events have been the topics that we take into schools but with the element containing more fun than educational value. Other Counties are now looking at this model to see if this can be repeated across East Anglia and be taken into libraries in several counties. The "Science in the Park" was an obvious progression as we have several large parks in Suffolk that have regular workshops for public engagement and for children to join in. Kinetic has been creating regular events in parks over Suffolk and Essex and these have been well attended and have included making bug hotels, bug hunting and pond dipping. This was the first year of working with Suffolk Coastal and creating the "Science at the Seaside" and this was very popular and we will be making this a regular every summer.

Science Birthday Parties

Kinetic is asked to create science parties in the home or in village halls on a regular basis and is popular with a range of parties on offer. We are comparative to other party providers and offer something fun and different. The potential of using this platform to showcase the subject of science has increased and so has allowed expression within the subject and not a way of teaching the subject. Our biggest and most popular party to date is "Slime making" which is to be expected as it is very popular and will probably be a trend that will change in the coming few months. Our offering has seen a large number of increases in adult Murder Mystery events too, as a fundraiser for our customers and to raise funds for local groups.

Networking and Attending Conferences

Having a stall or Stand at Teacher Conferences throughout the UK has been a chance for us to be networking to a larger audience. Some of our staff have attended these to learn from the expert speakers on topics that we need to turn into workshops to help schools to deliver the topics. Kinetic has been asked to be guest speakers at some to share our observations of working within the classrooms to what inspires the children and what the children find difficult subjects to understand. Through these networking events it is possible to understand the challenges faced by Primary teachers with limited knowledge on a specific topic and limited resources in the classroom. Kinetic attended a Primary Share Day which involved local Primary school students having stands to show what they had been learning in class and sharing this information with other schools and children of the same age. By this type of event then Teachers can take back new ideas to the classroom to try with their children.

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Feedback and Evaluation

Kinetic has a robust system and procedure in place to gather feedback and evaluate at every stage what we are doing. Market Research is very important to us and is the only way we can move forward to ensure a good quality and affordable service. We ask for children to be included in this feedback by them answering simple questions and by paper voting their answers.

Kinetic Plans for the next year

- Create more women and girl Science Days and building on our offering in areas of deprivation.
- Work more closely with schools that have children from traveller families and use Science as a way of engaging those who would prefer not to attend school, ie home educated children.
- Gather relevant information to help the formation of an Interactive Science centre that is hoped will open in Summer 2020 and to form a "focus Group" of local people to the centre, to help with decision making and strategic direction of the overall project.
- Dedicated not just to Science but also Maths, Engineering and Computer Science, Sexual Health and Sports Science as well.
- Involving more Libraries in other counties to be create our Workshops more widely and to allow families for the whole of East Anglia to access them.
- Expanding our "Science in the Park", "Science at the Seaside" and the "Science at the Museum" projects to take across more Counties.
- Creating new partnerships including a working base in Norfolk so that the Norfolk coast can be reached.
- Opening a Science hub and base in London to work covering the Capital and Kent, Oxfordshire and Essex.
- Ensuring the "Suffolk Science Festival" will be an annual event and will grow year on year to allow the public to take part in activities over a period of days and access all science subjects.
- Create more Maths Workshops and Team Building/Problem Solving workshops for schools to use as part of their "Getting ready for Work" training and "Employability" in schools.
- Working with teachers to provide training courses and seminars for them to attend to increase knowledge and share good practice.
- Create Holiday Day Camps for the 8 year olds and over to engage in Science and Maths topics with the element of fun and games and activities during school holidays. Continue to work with other groups which offer this to children and act as a sub-contractor.
- Create Saturday Science Clubs that can be a regular once a month offering.

Executive Summary

Kinetic Science Foundation was formed in February 2015 to promote all sciences and mathematics in schools both through outreach and by providing a centre of excellence where children can learn about science. We are a Charitable Incorporated Organisation with a Board of trustees and members, which include Head Teachers and Science experts and representatives of local Science organisations. The aim and vision of the project is to provide educational, interactive, curriculum-based, hands-on science equipment, and experiments that enhance learning, inspire future scientists and bring the curriculum alive.

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The Charity started trading at the end of April 2015 and this report states what has been achieved in the months from April 2018 to April 2019 and so is our fourth year of trading. In the first year an Outreach facility has been created and we have taken this into schools across Suffolk, Norfolk and Cambridgeshire as well as further afield. In this time we have had nearly 105,000 people access this project through Science Festivals, a Suffolk Skills Show, school events and County Shows. We have also provided Brownie and Cub Packs evening events involving science experiments and Forensic Science. Our pop-up Planetarium and Rain Forest experiences are still proving to be the most popular of our Roadshows and we have taken this to Festivals including Physics Fest and to Conventions and Conferences. We created a workshop "Open to all" which includes families and a series of projects entitled "Lab in a Library". We had an agreement in place to work with Suffolk Libraries and to go to the Library to do Science Workshops that all children can join in with along with their Parents and Carers. This has included inviting schools to take part in events in the Library that the Libraries have funded. This project has been extended to include the "Science in the Park" themed events which builds on workshops and Roadshows that can be enjoyed in the great outdoors. This has meant that through this form of Outreach every child has the access to science and maths anywhere in the Counties and it is something suitable for all age ranges and especially home educated children, those with additional needs and also those who may have missed schooling while in hospital. Our policy is that anyone can join in and it reaches all capabilities and even those where English is not their first language. The Outreach over the first four years of trading, has been very successful and from the evaluation forms completed and comments box we are definitely delivering a quality service and the feedback proves happy and content customers. Any criticism is used to reshape future workshops and is always taken seriously to improve what we deliver.

Kinetic has employed staff, sub-contractors and volunteers (a total of 9 people) to deliver the workshops and run Festivals. Kinetic has STEM ambassadors to help with the Science Festival. We have attracted teachers with huge experience and sub-contractors with very varied backgrounds who just wish to give back to the community. These people all have very individual strengths and these are utilised by Kinetic and through this we enthuse the next generation of Scientists. This is one of the Charity's unique selling points as we do not present to children with Science Educators but use qualified teachers with classroom experience and presence.

We have a Security Specialist who has written digital forensics workshops and an E-Safety course for children as well as adults, which has been very well received as it reaches a level of understanding for all whether you are a computer expert or not. We also have a Patron who is a celebrity Astronomer.

So future plans for years five and six, will include to establish a base in Bury St Edmunds, Suffolk, which will eventually lead to the provision of an interactive STEM centre which will be open to school and group visits and to the public during weekends and school holidays. We have the potential to offer an amazing site centrally placed in the county and readily accessible to four neighbouring counties and our activities are especially relevant for the needs of science businesses in the area including Adastral Park, Ipswich, Norwich Research Park, John Innes Centre, Norwich, Haverhill and Cambridge Science Parks.

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The STEM centre will be open in 2020/21 and will be where science really will come alive. The centre will be where we will dispel the myth that science is for boffins and it will actually be fun and accessible for all. We aim to have 10,000 visitors in it's first year of opening. Workshops, experiments and science forums for schools will also take place at the centre which will, in addition, provide a hub for school science teachers by holding courses, forums, seminars etc thereby enabling the sharing of good practice and development of new strategies for teaching and learning, as well as taking resources back to the classroom. It is intended that the Centre will be open to the public at weekends and holidays, running 'camps' and fun days. The income from this will enable the Centre to quickly become self-sustainable and will provide the funding, long term, to allow schools to access the centre and its outreach services at a reasonable cost.

As the decision has been made to create a Kinetic Adventure arm of the organisation that will work entirely with schools throughout the UK it was crucial to make this transition at an appropriate time for funding needs. For this reason the accounts this year cover thirteen months rather than twelve and hence moving our year end date for the future. It is with this move of splitting the organisation into defined sections that part of our Financial Review will be to start creating reserves from funds.

With a strong ethos we will show a dedication to STEM (Science, Technology, Engineering & Mathematics) in Suffolk and the future plans secure the sustainability and longevity of what Kinetic will offer. Our Ethos will prove that what we deliver to all will be of good quality, curriculum-based topics and delivered with professionalism by experts.

Gallery of pictures of events:



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Science Show in the Park before the audience joined in with hands-on activities.

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The "Museum of the Moon" hanging in the Apex for the Suffolk Science Festival with the public lying down underneath to experience the wonder of the moon. Nearly 15,000 people visited this during the five day festival.



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Inside our tropical Rain Forest experience.

Kinetic Science Foundation
Extended Receipts & Payments Account Extended Year Ended 30th April 2019

	<u>Note</u>	<u>2018/19</u>	<u>2017/18</u>
<u>Receipts</u>			
Donations		16,589.23	42.40
Grants		4,790.40	0.00
Loans Payable		4,145.00	25,025.00
Sales		<u>46,555.72</u>	<u>21,303.40</u>
		72,080.35	46,370.80
<u>Payments</u>			
Running costs	3	8,979.03	5,071.21
Staff & contractors	4	54,477.81	34,548.36
Sundry	5	9,669.99	5,324.03
Events	6	<u>3,145.87</u>	<u>3,830.10</u>
		76,272.70	48,773.70
Surplus / (Deficit) for Year		<u>(4,192.35)</u>	<u>(2,402.90)</u>

Statement of Assets & Liabilities as at 30th April 2019

	<u>Note</u>	<u>2018/19</u>	<u>2017/18</u>
<u>Monetary Assets</u>			
Barclays general funds		1.18	1.18
TSB		734.08	58.33
Petty Cash		<u>62.64</u>	<u>130.74</u>
		<u>797.90</u>	<u>190.25</u>
<u>Non-Monetary Assets</u>			
Debtors		24,410.00	43,840.00
Held for charity's use	7	17,545.13	11,825.10
		<u>41,955.13</u>	<u>55,665.10</u>
<u>Current Liabilities</u>			
Trade creditors		3,134.21	
Trustees expenses payable		308.00	308.00
Wages payable		7,219.72	11,949.65
Loans payable		<u>26,236.09</u>	<u>25,241.29</u>
		<u>33,763.81</u>	<u>37,498.94</u>

Kinetic Science Foundation Year Ended 30th April 2019

Notes to the Accounts

1 Basis of accounts:

These extended accounts have been prepared on a 'receipts and payments' basis in accordance with Charities Act 2011 Section 133

	<u>2018/19</u>	<u>2017/18</u>
2 <u>Investment Loan</u>		
Loans payable	4,145.00	25,000.00
	<u>4,145.00</u>	<u>25,000.00</u>
<u>Payments</u>		
3 <u>Running Costs</u>		
Advertising & Marketing	693.49	1,384.03
Insurance	1,258.12	1,034.45
Phone, Broadband and Electricity	249.95	349.47
Printing and Branding	599.00	741.38
Rates	97.14	0.00
Rent	5,666.00	1,490.00
Stationery	415.33	71.88
	<u>8,979.03</u>	<u>5,071.21</u>
4 <u>Staff & Contractors</u>		
Motor and travel expenses reclaimed	1,323.01	1,575.07
Sub-Contractors	2,867.00	1,238.92
Wages, Tax & NIC	50,287.80	31,734.37
	<u>54,477.81</u>	<u>34,548.36</u>
5 <u>Sundry</u>		
Equipment purchased	1,353.00	
Hall hire	180.00	202.25
Loan repayments	3,150.20	1,293.71
Networking & events	3,700.38	2,452.90
Sundry	1,286.41	1,375.17
	<u>9,669.99</u>	<u>5,324.03</u>
6 <u>Events</u>		
Equipment Hire (Pop-up Planetarium)	1,050.00	
Planetarium Kit	0.00	2,904.15
Resources and kit	2,095.87	925.95
	<u>3,145.87</u>	<u>3,830.10</u>
7 <u>Non-Monetary Assets</u>		
<i>(value as insured)</i>		
Science Equipment & Stock	10,000.00	6,379.97
Furniture & Fittings	3,500.00	1,400.00
Planetarium Laptop	4,045.13	4,045.13
	<u>17,545.13</u>	<u>11,825.10</u>

The Kinetic Science Foundation accounts and statement of assets and liabilities set out on pages 1-2 relating to the extended year ending 30th April 2019 are as approved by the board of trustees.

Signed: Andrew Price 25 Feb 2020
Andy Price (Feb 25, 2020, 10:20am) Date: _____
Andrew Price

Signed: G D Blake 21 Feb 2020
Gerry Blake (Feb 21, 2020, 4:23pm) Date: _____
Gerald D Blake

Independent Examiner's Report to the Trustees of The Kinetic Science Foundation
Charity No. 1160476

I report to the trustees on my examination of the payments and receipts accounts of the above charity for the year ended 30th April 2019.

Respective responsibilities of trustees and examiner

As the charity's trustees you are responsible for the preparation of the accounts; you consider that an audit is not required for this year under section 144 (2) of the Charities Act 2011 (the 2011 Act) and that an independent examination is needed.

It is my responsibility to examine the accounts under section 145 of the 2011 Act; to follow the procedures laid down the general Directions given by the Charity Commission and under section 145 (5) (b) of the 2011 Act; and to state whether material matters have come to my attention.

Basis of independent examiner's report

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 I do not express an audit opinion on the "true and fair view" given by the accounts.

Independent examiner's statement

In connection with our examination, no matter has come to my attention:

- 1) which gives me reasonable cause to believe that in any material respect the requirements to keep accounting records in accordance with section 130 of the Act or of the Companies Act 2006 and to prepare accounts which accord with the accounting records and comply with the accounting requirements of the 2011 Act

have not been met; or

- 2) to which, in my opinion, attention should be drawn in order to enable a proper understanding of the accounts to be reached.

Signed:



Date: 28th February 2020

Name: Johanne Thomas, FICB PM.Dip

Relevant profession qualifications or body (if any): Institute of Certified Bookkeepers
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