INCREASED CONFIDENCE

FOR CHILDREN

Increases engagement
Inspires a love of maths

FOR TEACHERS

Reduces workload
Supports teaching, planning and curriculum requirements

Fluency in the fundamentals of maths
Problem solving skills

Better maths lessons

Improved progress
Raised attainment and standards
Consistency of teaching
Raised profile of maths at school and home
In May 2015, we sent a survey to all teachers using the Abacus service. 363 teachers responded to our survey, and told us about their experiences. We found that Abacus is having a significant impact on teachers, children and schools across the country.

Over 93 teachers had been using Abacus for a year or more, so they were able to tell us more about the specific impact Abacus is having in their school.

Children enjoy the interactive nature of the plans and the online teaching resources which make the teaching of mathematical concepts fun and engaging.

Over 93 teachers had been using Abacus for a year or more, so they were able to tell us more about the specific impact Abacus is having in their school.

- Building confidence in teaching maths for all teachers: 87%
- Planning effective maths lessons: 91%
- Delivering curriculum requirements: 91%
- Developing children’s confidence in maths: 79%
- Developing children’s fluency in the fundamentals of maths: 84%
- Building children’s enjoyment of maths: 85%
Abacus is very flexible and can be tailored to suit the needs of my class easily.

Abacus ensures a good curriculum coverage and ensures children are engaged at the right level with useful resources.

Teachers said Abacus supports teaching and saves time
Over 80% of teachers said that Abacus has supported their teaching significantly or very significantly.

83% of respondents told us that Abacus has helped to reduce their workload

Over 90% said the quality of Abacus is good or excellent. Textbooks, lesson plans and teaching materials for the interactive whiteboard are the top three components that teachers felt significantly or very significantly supported their teaching.
Great range of resources which engage and challenge children.

*Attitudes Towards Maths (March 2015), report by National Numeracy

Children are excited to learn and respond extremely well to all the interactive and online resources. Thank you!

The children find the Abacus resources engaging and interesting. They enjoy their maths lessons and engage in the various different resources. They thoroughly enjoy the online resources.

How do teachers expect Abacus to support children?

Independent research has suggested that a positive attitude to maths is key to success in the subject* and most of the teachers who took part in our survey agreed.

The majority of respondents told us that they expected Abacus to support children in:

- Enjoying maths
- Becoming more engaged in maths

Teachers told us that Abacus is meeting these expectations...

83% said Abacus has had a significant or very significant impact on supporting children’s enjoyment of maths

84% said Abacus has had a significant or very significant impact on supporting children’s engagement in maths

The story so far...

Inspiring a love of maths
Research shows that pupils who are more confident in maths tend to do better at it* so it’s not surprising that building confidence was very important to the teachers in our survey. More than 85% said they expected Abacus to increase confidence in both children and teachers, and Abacus is doing just that.

The majority of teachers said that Abacus is giving them the time, tools and resources they need to deliver the national curriculum with confidence:

- 87% said Abacus has helped build confidence in teaching maths for all teachers.
- 82% said Abacus has helped build confidence in teaching maths for teachers new to the profession.

Abacus is having a significant impact on children’s enjoyment of and engagement in maths, and teachers have seen a substantial effect on their confidence too:

- 79% said Abacus has significantly or very significantly supported the development of children’s confidence in maths.
- Great, fun, takes the fear away from learning.
- A real time-saver plus adds confidence in many different ways - confidence that we are covering the new curriculum and that there are adequate resources (more than enough).
- Abacus gave them (teachers) the support and confidence to grow with the new curriculum.

The children are more relaxed about their maths and have a positive learning attitude.

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*The Trends in International Mathematics and Science Study (2012), published by DfE
Abacus has become an integral part of our school curriculum and is the key to all our mathematics teaching. It has made a great impact on the way mathematics is taught in our school.

Really pleased with having a tool which enables us to develop our children, but that is flexible too.

It has taken a lot of work off their (teachers) shoulders.

Enhancing maths teaching in the classroom!

Teachers told us that Abacus is helping them deliver better maths lessons and improve maths teaching:

Abacus has significantly or very significantly supported...

87% in delivering better maths lessons

76% in improving maths teaching in their school

91% in planning effective maths lessons
Abacus is helping children understand both why and how

The National Curriculum for mathematics aims to ensure that all pupils become fluent in the fundamentals, can reason mathematically and can solve problems. With Abacus supporting teachers to deliver better maths lessons and increasing pupil confidence, pupils are now also showing improved understanding:

- 83% said that Abacus has significantly or very significantly supported children in becoming fluent in the fundamentals of maths.
- 64% said that Abacus has significantly or very significantly supported children in solving routine and non-routine problems.
- 64% said that Abacus has significantly or very significantly supported children in reasoning mathematically.

The excellent whiteboard resources have enhanced the scheme enormously and provided the visual stimulus/understanding that most children need therefore giving them better understanding of concepts.

Games are wonderful! Children thrive on playing games to secure their understanding of concepts being introduced, or as a plenary.

It has made a significant impact on children’s maths.
The majority of teachers that completed our survey told us that Abacus supports them in delivering better maths lessons. Teachers are seeing the impact that Abacus is having on children’s mathematical fluency. And now the results of using Abacus are being felt throughout the school and beyond; more than three-quarters of respondents told us that Abacus has had a significant effect in raising the profile of maths in their school and ensuring consistency of teaching.

Abacus has made a massive difference to equality of provision in each year group.

It has ensured a whole school approach to the teaching of mathematics - it has made monitoring of progress manageable and it has engaged children and made them feel confident mathematicians.

90% said Abacus has encouraged a consistent approach to how maths is taught through models and images.

Abacus provides a consistent approach to teaching maths across the school and reduces the workload of teachers.

Maths awareness and methods of teaching are now much more consistent through the year groups so we hope to see improved results.
Abacus has also supported improvements in progress and attainment.

- **Standards are raised, teaching has improved.**
  - 75% said Abacus has significantly impacted on children’s attainment.
  - 67% say Abacus has significantly supported the school to improve maths standards.
  - 76% say Abacus has significantly supported improvements in maths teaching in their school.

**Improved progress**

- **Maths attainment has increased in our school since using Abacus.**
  - 77% said Abacus has significantly or very significantly impacted on children’s progress according to their age.
  - 72% said Abacus has significantly or very significantly impacted on children’s progress according to their aptitude.

We are confident that as a school, we have progression between year groups and coverage of the new curriculum objectives.
Raised profile of maths

77% said Abacus has significantly raised the profile of maths. Not only that, but more than half of the respondents felt Abacus supported parental engagement at home.

[Parents] enjoy the access to homework tasks and say these encourage their child to do their homework! They find the online videos useful in ensuring they are replicating the same methods taught in class when they help their child.

The online resources do enable parents to offer more focused support to their child at home.

The videos are very useful to be able to send home to remind pupils of how to approach something and also to share with parents.

It has had a major impact on engaging the whole school community with the key whole school priority of raising maths standards for all of the children in our care.

Parents have been delighted with the improved consistency of maths across the school and have enjoyed the homework tool the children have been able to use.
So what next?

We’re delighted to hear that Abacus is already having such an impact but our work doesn’t stop here. There are nearly 4,000 schools using Abacus, and we’re committed to keeping in touch with them so that we can learn more and measure the impact over time.

Because Abacus is a service that schools subscribe to, we listen carefully to feedback and use it to plan new developments and improvements.

To find out more about Abacus, try free samples, and to book a free demo in your school: www.pearsonprimary.co.uk/abacusreport

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