

PTA D&T £5,000 SPEND

ABOUT:

This year the PTA agreed to spend £5000 on the school's design and technology equipment. Design and Technology is all about designing, making and evaluating functional products with a user and purpose in mind. It is a fun and engaging area that children really enjoy and benefit from in so many ways. It gives opportunities to nurture children's creativity, problem solving, perseverance, teamwork and collaboration. **With rising costs and budget constraints, vital resources and equipment can sometimes suffer as a result.**

THE IMPACT

Lakeside Primary are now leading the way in the cluster and other schools are now looking to Lakeside for support and guidance. We are genuinely to very lucky to have the support of our PTA to fund D&T resources for the children's development, engagement and creativity. D&T is an area children love and our PTA are supporting the teachers to give the children the best opportunities they can. Memories that will last forever.

NURSERY

PTA purchased materials that allowed the Nursery children to develop their textiles skills. Nursery can now thread a needle and complete some fabulous stiches, even threading in a few beads!



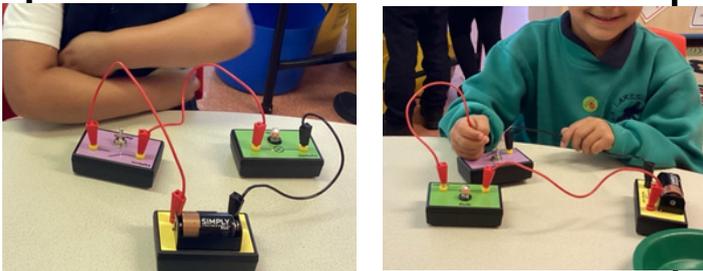
The Nursery children are loving their new outdoor blocks purchased by the PTA. These blocks encourage creativity, imagination and problem-solving whilst promoting spatial awareness and hand-eye coordination. Blocks encourage teamwork and collaboration, supporting language development and mathematical development. Large outdoor blocks are a vitally important resource for our youngest learners. We now have a plan to move this up through the school.



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RECEPTION

PTA purchased electrical kits for Reception so children could learn key vocabulary and explore with batteries, wires, bulbs and buzzers. The children learned how to make a bulb light up and a motor turn.



They have also been exploring mechanisms and levers to make moving cards. The new electricity construction kits allow children to have early experiences of electricity by exploring bulbs, batteries, and wires to make simple circuits.

YEAR 1

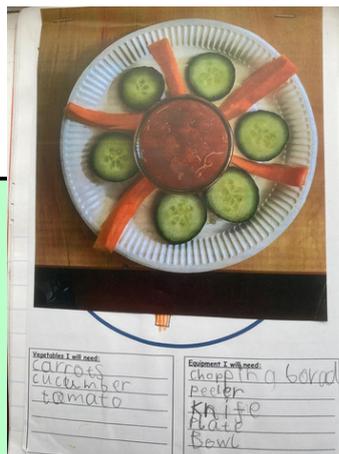
Year 1 have been learning to thread needles and complete the running stitch. Look at the focus and concentration. Thank you to the PTA for funding the materials and equipment the children needed to explore textiles and learn this important skill.



YEAR 1

Year 1 used the new utensils from the PTA to learn to cut, slice, grate and chop vegetables to go with their Carnival Salsa.

Year 1 have also been developing their mechanisms skills, and using pivots to make things move. They have been developing their understanding of structures and learning how to make them stronger.



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YEAR 2

Year 2 showed their creative skills to make a vehicle using wheels and axles. They developed their understanding of mechanisms and learnt how perseverance is an important skill.



YEAR 3

Year 3 have been structural engineers as they explore how to make strong structures using construction kits purchased by the PTA. How strong will their towers be?!



Year 3 have also made moving monsters using pneumatics and developed their understanding of mechanical systems.

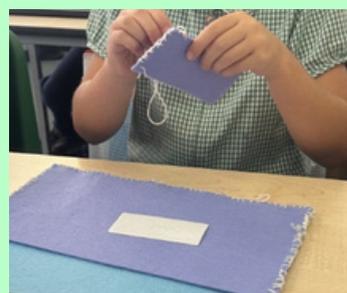
YEAR 2

Year 2 used the new food technology resources from the PTA to prepare fruit and vegetables for healthy eating. Here the children were learning to use an orange/lemon juicer!



YEAR 4

Year 4 have been designing and making their own pencil case using fabrics and sewing skills. They made a paper prototype first to see what the end product would look like and any changes that needed to be made before measuring out, cutting and stitching the material. Even the teacher's developed their blanket stitch and running stitch.



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YEAR 4

Year 4 have also been learning to use a Computer Aided Design package (CAD) to develop their work on structures. They will then explore electronic and electrical circuits using the products purchased by the PTA.

YEAR 5

Year 5 have designed and made some very impressive cars using their structures, numeracy and science skills. Using their knowledge of electrical systems and circuits the children worked collaboratively in teams to design the vehicle that had to use a pulley and motor to drive it forwards and backwards.



YEAR 6

Year 6 have been linking their D&T to their topic to design and build structures linked to World War II. They explored food technology, again linking to rationing during the war. Y6 have then developed their textiles skills by designing and making a puppet that was presented to a younger audience to share a message or tell a story. Y6 have also developed their CAD skills by designing and making packaging projects, applying their numeracy skills and understanding of nets.

Design and Technology encourages children to identify problems, think creatively, and come up with different ideas and solutions to solve them. D&T naturally integrates Maths, Literacy and Science in practical ways, encouraging children to be independent in applying their skills. D&T is about learning from mistakes. The teachers have been keen to embrace training and new challenges to do with the children, which is why the PTA funding is so vitally important. Learning D&T skills in school, opens doors for future jobs or careers in engineering, science, designing, construction, architecture and many more.

Thank you to all parents for supporting the PTA and giving all children of Lakeside these amazing opportunities.

