



# Westhope School Loan Case Study

**CREATE**  
Education

## Pupils at Westhope Primary School use a unique opportunity to develop their digital skills for charity

Year 5 and 6 pupils at Westhope Primary School have used innovative 3D technology to raise money for their school charity, developing their digital enterprise skills alongside their empathy for others.

Westhope Primary loaned an Ultimaker 2+ connect from The CREATE Education project, allowing them to complete this project through their design technology and computing curriculum time.

The CREATE Education project supports educators to embed 3D printing and additive manufacturing technologies into their classrooms so that young people can develop a range of skills that are needed for future high-quality STEAM-based careers. The popular loan scheme, which offers teachers the chance to try this technology in their classrooms for 5 weeks, is just one way that they do this. With the loan scheme, teachers not only receive the hardware, but they also receive a roll of filament and a setup call with a technical adviser who will set them up and get them on their way.

At Westhope Primary, the pupils had clear aims and objectives for the project, which included developing planning skills, enterprise skills, and 3D modelling and design skills.

Teacher, Mr Thoburn said, "The children completed the lessons about 3D modelling using the Teach computing curriculum. They then used their 3D modelling skills to create key chain with names and words on them. The pupils decided how much they should sell the keychains to make money for our school charity."

The charity that Westhope Primary School is supporting is Tiny Lives. Tiny Lives is a Newcastle-based charity that supports premature or sick newborns and their families. Created in 1983, by two doctors, Tiny Lives supports the neonatal unit at Princess Mary Maternity hospital in Newcastle. Tiny Lives supports over 750 families annually and needs to raise over £350,000 a year in order to do so, so every penny that can be raised really is needed.

Mr Thoburn added, "The 3D printer really engaged all of the children as it gave them a purpose for their 3D modelling project"

A pupil from Westhope Primary said, "When I came into school, I was really excited to see that we had a 3D Printer in our classroom. It was so cool!"

Another pupil commented on the feedback forms, "I enjoyed seeing my design come to life! I would like to do my own project in the future, maybe a bigger project!"

In total, the pupils at Westhope Primary School raised £40 which will be added to their charity fundraising total for the year. This is amazing work - and CREATE Education are really proud of the way that the pupils and teachers used the loan scheme.

Michelle Chatterley, Head of The CREATE Education Project said, "At CREATE Education, we look to support teachers and educators to embed 3D printing into their classroom and our popular loan scheme is a really good way for them to try out a project. It's great that Westhope Primary has used the chance to raise money for Tiny Lives, showing how transformative the use of 3D printing can be to the lives of others. A big congratulations to all of the staff and pupils involved."