

**Buxton Junior School
November 2022.**



A6 Fairfield Roundabout Project- local community support continues...

Galliford Try STEM Ambassador and Community Liaison Manager Gino Salvatore contacted Buxton Junior School and arranged a team building and problem-solving STEM (Science, Technology, Engineering and Mathematics) activity **"The Giant Tetrahedron build"**

The tetrahedron (a triangular-based pyramid) is an impactful activity, creating a 4m x 4m structure using only dowels and elastic bands. The emphasis is on teamwork and listening to, and following, instructions. Many roles in the construction industry can be incorporated into the activity and building process, making it an excellent illustrative and fun activity.

This activity also provides an insight into construction and encourages the pupils to consider a career working in our industry in the future.

The day was a huge success, we were delighted with the response from over 60 pupils in total who had worked in smaller groups across 3 sessions throughout the day. The pupils thought the activity was fantastic and really engaged and supported each other and worked well in their teams.

Allison Crew

**Design &
Technology
Coordinator**

**Buxton Junior
School**

The children of Year 4 really enjoyed the construction sessions. They were really motivated by the prospect of building a giant structure and keen to have a go. Initially, some pupils struggled with the motor skills required to twist and attach elastic bands, but learned that by sticking at it, it was something they could achieve. It was good to see how well the pupils supported each other during the day and interesting to see how they functioned in their teams. The ear deafening cheer which went up when their structure was held aloft was a measure of the excitement generated! Thanks for your visit- it was great fun and something we've talked about further in class.