



Junior Engineer's Challenge

SCHOOL: All Primaries

PHASE: Primary

KEY STAGE & YEAR: KS1 & 2, Years 4 and 5

CURRICULUM AREA: Science

LINKS TO PLANS/NC:

DURATION: 1 Day

LEARNING OBJECTIVES

- ✍ To understand the techniques and skills involved in construction.
- ✍ To construct a 500mm bridge using K'Nex
- ✍ To consider pressure and weight and the effects on construction.

BRIEF

Year four and five children from primary schools across Knowsley took part in the Junior Engineer's Challenge this month. This bridge building activity was organised and delivered by SetPoint, who chose to use the CLCs as venues this year.



DESCRIPTION

The brief for the budding young engineers was to construct a 500mm bridge made from K'Nex. Working in groups of two, the children's work was soon underway and towering bridges began to rise from the tables. A number of engineers were at hand throughout the day to support the children in their quest. When complete the bridges were put to their ultimate test, could they hold a 1 kg weight? The weight was suspended from the bridge to test its strength.

OUTCOMES/EVALUATION

"A fabulous resource, when can we do it again?" – Teacher comment.

Similar activities are now run across the Centres using construction kits. Details of these are available in the CLC Teaching and Learning Activities Booklet.