






Architecture Workshops

Abbreviations For Key Elements in workshops: Cp:Cooperation; D:Drama; DT:Design Technology; Gg:Geography; Ht:History; Im:Imagination; LS:Listening Skills; M:Maths; PS:Problem Solving; Sc:science; Tw:Teamwork

Key Stage One Workshops with Nursery & Reception

Designed to stimulate imaginations and excite children and teachers alike, these workshops focus on simple ideas to impart the knowledge, understanding and skills needed to engage in an iterative process of designing and making. Using numbers, counting, 2D & 3D Shapes and Space pupil's work together to make simple modular forms, which go on to form parts of KS2 workshops.
Key Elements; Cooperation; DT; Imagination; Listening; Maths; Problem Solving; Teamwork;

My First Structure; 30 - 45 mins Nursery* (8 pupils) & Reception (16 pupils)*3 years min.*
Working in pairs or small groups, pupils make simple 2d and 3d shapes, which are connected together to form larger versions of the same. When possible the children get inside the structure.

Birdhouse / Octas; 60 mins Yr 1 & 2 (30 pupils)
The Birdhouse structure is built using small sticks and involves the pupils reading together and answering questions to discover how the blackbird make the birdhouse. Pupils then use small sticks, in groups to build their own Birdhouse structure. In 'Octas' the presenter demonstrates, with pupils help, how to make an Octahedron with large sticks. In both workshops the octahedrons can be used to describe different types of dwelling. In Octas the pupils can use them to make a tower up to 9 m tall and a tunnel.

Bridge Building; 120 mins; Yr 1 & 2 (30 pupils)
An adapted version of our most popular workshop, Bridges Maths and Design for older Key Stage 1 and younger Key Stage 2 pupils. Working individually, in small groups and altogether pupils build sections of a bridge up to 12m long.

Habitat & Shelter; *(NEW)* 120 mins Yr 1, 2 & 3 (30 pupils)
Using our experience from the KS 2 workshop we have delveloped a series of stylised structures that KS 1 pupils can build under instruction. Working collectively pupisl build shelters for different environments; Arctic; Rainforest or Desert. Choose One Only.

Mega Structures / Sculptures; *(NEW)* 120 mins Yr 1, 2 & 3 (30 pupils)
Using our experience from the KS2 workshop we now offer schools the opportunity of us to develop a workshop based on your Design Topic. The workshop is presenter led with pupils problem solving collaberatively to create a huge structure.

Tetra; 60 mins; Yr 1 & 2 (30 pupils)
Culminating in a spectacular structure, the children build tetrahedrons, as individuals or in pairs, . These simple modular forms are connected together in small groups, to form larger structures., culminating is one huge tetrahedron 4m high that the whole class can get inside.

Key Stage Two Workshops

Build-It workshops Maximum 45 Pupils

Egyptian Pyramids; 120 mins or 90 mins with 30 pupils **Key Elements;** Cp, D, DT, Ht, LS, M, PS, Sc, Tw
Pupils build small, large and finally one giant pyramid that they can all fit inside and become mummies. Height 5m

Fairgrounds; Ferris Wheel or Helter Skelter or Roller Coaster; 120 mins **Key Elements;** Cp, DT, Im, LS, M, PS, Sc, Tw
The 3 most popular fairground attractions are explored through creative hand-on building. Please specify which fairground ride you require when booking Height 4 - 6 m

Greco - Roman: Temple or Villa; 120 mins **Key Elements;** Cp, DT, Ht, LS, M, PS, Tw
Pupils problem solve to construct a thrilling 2.5m high Temple / Villa including columns, pediments and roof valleys. The workshop has either a Greek or Roman focus as required. Height 3m

Mayan Temples; *(NEW)* 120 mins **Key Elements;** Cp, DT, Im, LS, M, PS, Sc, Tw
The amazing feats of the Ancient Mayan people are explored through their stepped pyramid building. A large hall space is essential, Height 4 m

Millennium Dome; 120 mins **Key Elements;** Cp, DT, Im, LS, M, PS, Sc, Tw
The iconic dome steel tensile structure is recreated in your school hall, using just sticks, rubber bands and string. Height 4 m

Millennium Bridges: London & York; 120 mins **Key Elements;** Cp, DT, Im, LS, M, PS, Sc, Tw
The iconic suspended 'Wobbly Bridge' recreated in your school hall up to 12m long or built alongside the less infamous York suspension footbridge for comparision.

Octas; *(NEW)* 60 mins **Key Elements;** DT, listening, cooperation and teamwork, problem solving, 2d &3d shapes
Pupils are shown how to make Octahedrons from triangles and in groups use them to make towers up to 9 m tall!

Stadium Structures; *(NEW)* 120 mins **Key Elements;** Cp, DT, Im, LS, M, PS, Sc, Tw
Based Old Trafford (Manchester United) and The Emirates (Arsenal) stadiums, pupils work together to build sections that are then constructed into the roof structure of one large stadium model. Height 3 m

Saxon Round House; 120 mins **Key Elements;** Cp, D, DT, Gg, Ht, Im, LS, M, PS, Tw
To compliment our Viking Longship and to fit the the curriculum on Settlers & Invaders our Round House will fit 45 debating Saxons quite easily. Height 3m

Stonehenge; 120 mins **Key Elements;** Cp, D, DT, Gg, Ht, Im, LS, M, PS, Tw
To fit in with the curriculum on Bronge Age Brirtain a completely new workshop that explores the myth of Stonehenge. Height 4m

Tetra; *(NEW)* 60 mins **Key Elements;** DT, listening, cooperation and teamwork, problem solving, 2d &3d shapes.
Each pupils builds 2 small tetrahedrons, which are connected to 2 others to form a Big tetrahedron. These are in turn connected to 3 orther Big teterahedrons to form Large tetrahedrons which are connected to make one Huge tetrahedron about 3m tall.

Tudor Galleon; 120 mins **Key Elements;** Cp, D, DT, Gg, Ht, Im, LS, M, PS, Tw
A workshop to complement our Tudor Globe Theatre, only much more complicated and absolutely massive. "Hoist the main sail and keep the powder dry" Height 2m

Tudor Globe Theatre; 120 mins **Key Elements;** Cp, D, DT, Gg, Ht, Im, LS, M, PS, Tw
Pupils imagine a Tudor audience being entertained by Shakespearian special effects and considering the Tudor toilet facilities in the octagonal representation of Sheakspeare's theatre. Height 3m

Victorian Crystal Palace; 120 mins **Key Elements;** Cp, D, DT, Gg, Ht, Im, LS, M, PS, Tw
Early prefabrication is explored as pupil's piece together their built pieces, to form a single enclosure. Pupils process through the structure as the Victiorians did and imagine the wonders on exhibition. Height 4 m

Viking Longship; 120 mins or 90 mins with 30 pupils **Key Elements;** Cp, D, DT, Gg, Ht, Im, LS, M, PS, Tw
Pupils work to construct a Longship 12m in length, large enough for the whole group to sit in and navigate a passage to north America, as the Vikings did, trying to avoid the icebergs with their oars.

Humanities workshops Maximum 45 pupils

Christian Architecture; Ely Cathedral 120 mins **Key Elements;** Cp, DT, Ht, LS, M, PS, Tw
Pupils learn about European Christian Architecture in the middle ages through the construction of a classical structure representing Ely Cathedral in Cambridgeshire England. Height 4-5 m

Indian Architecture; Taj Mahal 120 mins **Key Elements;** Cp, DT, Ht, LS, M, PS, Tw
The Taj Mahal is leading example of Indian Architecture bringing together Mughal, Islamic and Hindu influences to celebrate the diversity of the Indian region of Agra. Height 3-4 m

Islamic Architecture; Dome Of The Rock 120 mins **Key Elements;** Cp, DT, Ht, LS, M, PS, Tw
Using the Dome of Rock in Jerusalem as the key example of an Islamic place of worship. The Dome of Rock is the oldest surviving example of Islamic architecture still in use today. Height 3-4 m

Hebrew Architecture; Temple of Solomon 120 mins **Key Elements;** Cp, DT, Ht, LS, M, PS, Tw
A building of significance to the Hebrew faith, described as the final resting place of the Arc Of The Covenant. Height 3 m

Kre8 workshops Maximum 45 pupils

Art & Sculpture; 120 mins **Key Elements;** DT, Im, LS, M, PS, Cp, Tw,
Pupils explore movement, balance, and composition during in the sculpture making process. They consider and discuss details of selected artists work, learning to evaluate their work and appreciate the perceptions of others. Height 2-4 m

Bridges, Maths and Design; 120 mins or 90 mins with 30 pupils **Key Elements;** Cp, DT, Im, LS, M, PS, Sc, Tw,
Pupils solve a bridging problem using a truss-girder bridge form, 2m in length. Each bridge is then discussed and evaluated. With smaller groups these are joined together to form one long bridge, the pupils problem solving together to make it stand. Height 2m

Habitat & Shelter; 120 mins **Key Elements;** Cp, DT, Gg, Im, LS, M, PS, Sc, Tw
Pupils explore the concept of habitats and are made aware of environmental requirements and personal space relating to their own homes through the design and construction of temporary shelters large enough for their team to sleep in their selected extreme environment: Height 2-3 m

Mega Maths Structures / Sculptures; 120 mins **Key Elements;** Cp, DT, Gg, Im, LS, M, PS, Sc, Tw,
Use as part of your own school project to encourage pupils to pursue their own creativity and imagination. The workshops concludes with pupils evaluating their work, aided by our presenter. Height 2-4 m
Abstraction: Pupils build to any theme. e.g. Dinosaurs; Figures; Sea Life; Space; Transport;
Sense Of Place: Pupils interpret their local environment, either town or school.

Olympic / Sport Sculptures: 120 mins **Key Elements;** Cp, DT, Gg, Im, LS, M, PS, Tw
Pupils are asked to design and build simple stylised sculptures which represent sporting event as 3D iconography. An understanding of the nature of abstract art is desirable. Height 2-4 m

Skyscrapers 120 mins **Key Elements;** Cp, DT, Gg, Im, LS, M, PS, Tw
Pupils design and build the tallest and most interesting skyscraper structure they can achieve without it collapsing. Huge fun with a serious message; the tallest is not always the best and uniqueness is everything! Combine both to achieve success. Height 6-8 m

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