**Architecture Workshops**

**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 pupils’ 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 (9 pupils) & Reception (16 pupils)/1 ½ yrs

In working 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 tn tall and a tunnel.

**Bridge Building:** 120 mins; Yr 1 & 2 (30 pupils)

An adapted version of our KS2 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 KS2 workshop we have developed a series of stylised structures that KS1 pupils can build under instruction. Working collectively pupil 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 to develop a workshop based on your Design Topic. The workshop is presenter led with pupils problem solving collaboratively 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 in one huge tetrahedron 4m high that the whole class can get inside.

**Build it workshops**

**Maximum 45 pupils**

**Egyptian Pyramids:** 120 mins or 90 mins with 30 pupils Key Elements: Pupils build small, large and finally one giant pyramid that they can all fit inside and become mummys. Height 5m

**Fairgrounds; Ferris Wheel or Helter Skelter or Roller Coaster:** 120 mins Key Elements: Pupils, DT, HT, 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- 4.5m

**Greco - Roman: Temple or Villa:** 120 mins Key Elements: Pupils, DT, HT, LS, M, PS, SC, 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: Pupils, DT, IM, LS, M, PS, SC, TW

The amazing feats of the Ancient Mayan people are explored through their stopped pyramid building. A large hall space is essential. Height 4 m

**Millenium Dome:** 120 mins Key Elements: Pupils, DT, IM, LS, M, PS, SC, 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 2.5m

**Sense Of Place: Pupils interpret their local environment, either town or countryside as a place of worship. The Dome of Rock is the oldest surviving example of Islamic Architecture bringing together Mughal, Islamic and Hindu influences to celebrate the diversity of the Indian region of Agra. Height 3-4m**

**Settlers & Invaders our Round House will fit 45 debating Saxons quite easily. Height 3m**

**Stonehenge:** 120 mins Key Elements: Pupils, DT, DT, GG, HT, IM, LS, M, PS, TW

To fit in with the curriculum round Brone Age Britain 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 other Big tetrahedrons to form Large tetrahedrons which are connected to make one huge tetrahedron about 3m tall.

**Tudor Galleon:** 120 mins Key Elements: Pupils, 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: Pupils, DT, GG, HT, IM, LS, M, PS, TW

Pupils imagine a Tudor audience being entertained by Shakespearean special effects and considering the Tudor toilet facilities in the octagonal representation of Shakespeare's theatre. Height 3m

**Victorian Crystal Palace:** 120 mins Key Elements: Pupils, DT, GG, HT, IM, LS, M, PS, TW

Early prefabrication is explored as pupils piece together their built pieces, to form a single enclosure. Pupils process through the structure as the Victorians did and imagine the wonders on exhibition. Height 4m

**Viking Longship:** 120 mins or 90 mins with 30 pupils Key Elements: Pupils, DT, GG, HT, IM, LS, M, PS, TW

Early prefabrication is explored as pupils piece together their built pieces, to form a single enclosure. Pupils process through the structure as the Victorians did and imagine the wonders on exhibition. Height 4m

**Olympic / Sport Sculptures:** 120 mins Key Elements: Pupils, DT, GG, IM, LS, M, PS, SC, 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 2.5m

**Islamic Architecture; Dome Of The Rock** 120 mins Key Elements: Pupils, DT, GG, IM, 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 3-4m

**Hebrew Architecture; Temple of Solomon** 120 mins Key Elements: Pupils, DT, HT, IM, LS, M, PS, TW

A building of significance to the Hebrew faith, described as the final resting place of the Ark Of The Covenant. Height 3m

**Olympic / Sport Sculptures:** 120 mins Key Elements: Pupils, DT, GG, IM, LS, M, PS, SC, 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 2.5m

**Abilities workshops**

**Maximum 45 pupils**

**Christian Architecture; Ely Cathedral** 120 mins Key Elements: Pupils, DT, HT, IM, 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 Cambridge/England. Height 4.5m

**Indian Architecture; Taj Mahal** 120 mins Key Elements: Pupils, DT, HT, IM, 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 3-4m

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