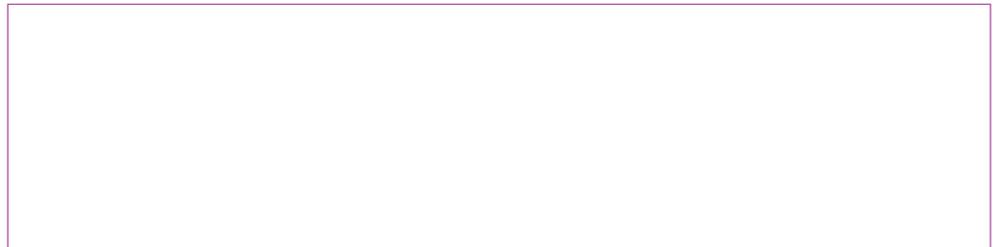


MODEL SCHOOL



5

Making Architecture: The Big Design Event.

Lesson Plan:
5.0 Model classroom and model school



Model School

5. Making Architecture

The Big Design Event



Stage 5 Outline

Stage 5 is seen as the culmination of knowledge gained in Stages 1-4 but can also be set as a stand alone project. The first challenge is for each child to design and create their own ideal learning place. Pupils should be encouraged to re-think conventional ideas about what we learn and the spaces we learn in, they should be limited only by their imagination. It could be a swimming pool for easy learning, an outdoor space for learning about nature, or a tiny quiet space for one person for reading. The second challenge brings together all the individual classroom designs to form a Model School. This introduces notions of shared space, linking spaces and in-between spaces such as the traditional school hall and corridors, collectively the class will create their very own **Model School**.

We suggest using old shoeboxes as the perfect base for creating the individual work which then easily forms a module for making the Model School, but any modelling material will do, you can even reuse the spaghetti and jellybabies from Stage 2 if you wish.

Lesson 5 Model Classroom + Model School.

In this stage the class will develop model making skills and awareness of 3D shapes as well as techniques in measuring and concepts of scale. The class will develop thoughts on improving environments for your school and society in general. Imagining themselves in the role of others, such as the teacher, visitor and learner, is a very important aspect of this stage of the project. The work will be messy, fun, intensive, but very creative and rewarding.

Model School Exhibition

Finally, it is always good to celebrate great effort and good work, why not put on an exhibition of your Model School and invite the rest of the school and parents along. If you have carried out all Stages 1-5 you will have plenty of material to exhibit. As part of the exhibition ask the children to verbally present their thoughts and ideas. It will be a very thought provoking, enlightening and enjoyable event. Upload the results to GLOW using the Architecture and Design Scotland GLOW group.

Reading list

If you wish to widen your knowledge for this stage or use more material and images:

For beautifully designed contemporary learning spaces - www.baupiloten.com

For unusual subjects to learn - Jamie Oliver's Dream School, Channel 4

www.channel4.com/programmes/jamies-dream-school

For historical reference to children participating in school design

www.guardian.co.uk/education/2001/jun/05/schools.uk7

in which the Guardian ran a competition in 2001 for children to design their own school.

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Lesson Plan 5

Model Classroom & Model School

Location	Classroom and School Hall
Suggested Duration	1 day approx
Task type	Individual a.m. / Group p.m.
Materials /Equipment	Cardboard, shoeboxes, craft materials, glue, pens, paper, scissors, sellotape
Learning intention	To apply knowledge of space, scale, ergonomics, materials and design to create a model school
Record Of Learning Activity	Individual models, forming one big group model
INTRODUCTION Discussing	Reintroduce discussion on spaces and places for learning. If you have completed Stage 4 use the outcomes from this too.
MAIN ACTIVITIES	Task 1: Thinking of the Design
Writing / illustrating	Ask your pupils to think of a subject or activity they like learning, or think is important to learn, then imagine the sort of space or classroom in which this could happen. This could be prepared and recorded in several ways, <ul style="list-style-type: none"> • Functional Writing: to explain their design intentions • by drawing an architectural plan of their place • by creating a 3D picture of their space <p>The outcome for this provides focus for the main tasks.</p>
 Making	Task 2: Individual Model Classrooms Use the output of Task 1 as the starting point for each child to make a model of a their imaginary ideal classroom. Use Mini-me models to plan the space so that any furniture or walls have a relative scale. You could re-use the Mini-me models created in Stage 3.1 if you have them. You might ask the class to consider the relationship of their space with the world beyond e.g. windows for views, open plan structure etc. Add an environmental dimension by asking about the construction materials. e.g. recycled wood, or built from cardboard like the example of the real cardboard school given in Stage 1.
 Making + discussion	Task 3: Group work, creating the Model School Bring together all the individual classroom designs, this is best set out in a large space such as the school hall. Arrange the models in such a way that this generates a discussion on linking spaces and in-between spaces and what might happen in these. Under your direction, collectively create the Model School from the individual pieces. The school could be stacked vertically to give the cut away dolls house appearance or arranged on one storey along a route and passages. Designate groups of pupils to complete the design of the shared areas of your Model School.
CLOSING THE LESSON Evaluating	Ask the class their opinions of the Model School they have just completed. Would they learn better in a school like this? Record the outcome in photographs or even film the model with the children speaking about their work.



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CLOSING THE PROJECT

Make an exhibition of the Model School project. Ask your class to verbally present their ideas and work to the invited.

Teachers could set up an Archi-Dragons Den and have pupils involved in an intelligent competition and encourage effective communication. A verbal design pitch could be delivered from the architects' point of view and could start with 'Let me show you around...' or could take the perspective of a journalist talking about a day in the life of the space(s).

The presentation should be seen as a sales pitch and suitably scary dragons should be lined up.

Display as much of the work contributing to the Model School as you can. Upload the results to GLOW using Architecture and Design Scotland's creative GLOW group

Use this space for your own notes



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Model School

5. Making Architecture

INFORMATION SHEET



Architectural section model through a classroom.



An outdoor classroom.



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INFORMATION SHEET

Model of a learning place for sport.



Model of an contemporary classroom.





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Model School

5. Making Architecture

INFORMATION SHEET

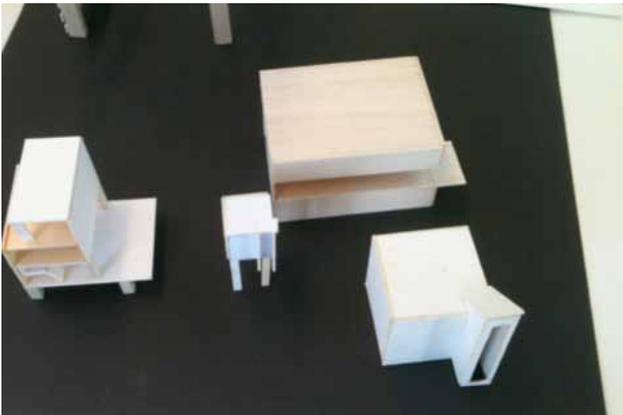


School on a hill.



Sketch of an unusual place to learn.

INFORMATION SHEET



Groups of Spaces



Corrugated model room
with windows and door



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INFORMATION SHEET



Montages by Secondary School pupils