

ARCHITECTURAL MODEL MAKING

Architectural Model Making at Macademia introduces young people aged 12+ to the craft and technical skill of creating physical models used in architecture. Students explore how ideas are translated into 3D form while developing precision, creativity, and problem-solving through hands-on making.

The course is structured into six standalone modules, each running as a 6-week block (2-hour sessions). Modules can be taken in sequence or mixed with other subjects, allowing a flexible learning journey.

Through practical projects, students design and build a range of architectural models, learning key techniques, materials, and presentation skills. The course supports GCSE and A-Level studies while helping students create strong portfolio pieces and prepare for further study in architecture and design.

Introduction to Model Making

1. What model makers do
2. Types of architectural models
3. Scales and proportions
4. Basic tools and materials
5. Simple model build
6. Review and presentation

Detail & Craftsmanship

1. Advanced cutting techniques
2. Structural detailing
3. Facades and textures
4. Interior details
5. Refinement and quality
6. Craft review

Materials & Techniques

1. Card, foam and wood
2. Cutting and joining methods
3. Accuracy and precision
4. Surface finishes
5. Detailing techniques
6. Model presentation

Creative & Experimental Models

1. Conceptual models
2. Abstract representation
3. Light and shadow
4. Mixed materials
5. Iteration and testing
6. Presentation

Architectural Representation

1. Translating drawings into models
2. Plans, sections and elevations
3. Massing models
4. Context and site models
5. Concept models
6. Review

Final Model Project

1. Project brief
2. Design development
3. Model planning
4. Construction
5. Refinement
6. Final showcase

