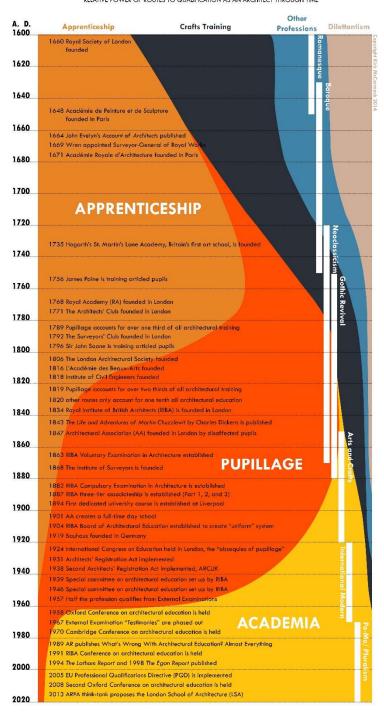
Technology Enhanced Teaching and Learning (online and face-to-face)

Avoiding Pecksniffian Pupillage...

Kirk McCormack
Programme Chair of BSc (Hons) Architectural Technology
TU Dublin

The HISTOMAP

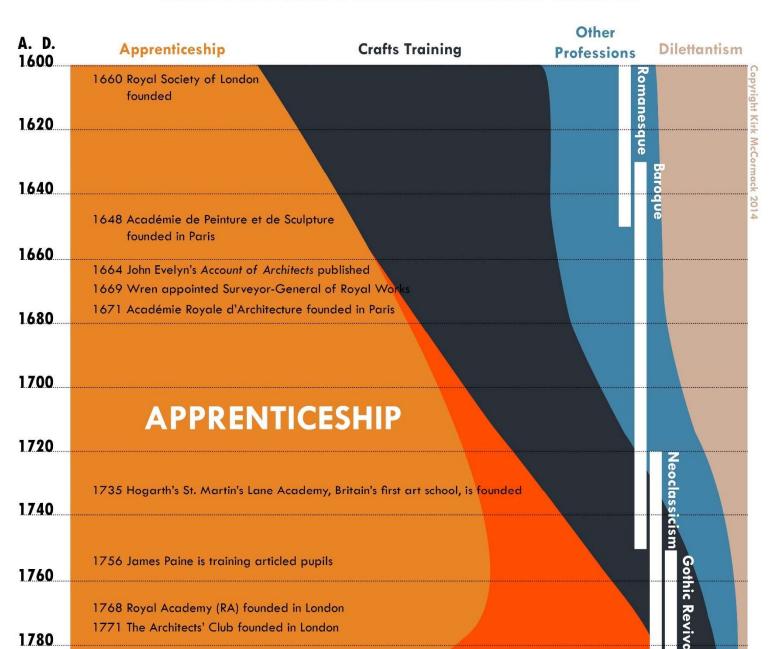
FOUR HUNDRED YEARS OF ARCHITECTURAL EDUCATION RELATIVE POWER OF ROUTES TO QUALIFICATION AS AN ARCHITECT THROUGH TIME



The HISTOMAP

FOUR HUNDRED YEARS OF ARCHITECTURAL EDUCATION

RELATIVE POWER OF ROUTES TO QUALIFICATION AS AN ARCHITECT THROUGH TIME



1780	1771 The Architects' Club founded in London		vival	
1800	1789 Pupillage accounts for over one third of all architectural training 1792 The Surveyors' Club founded in London 1796 Sir John Soane is training articled pupils	=	3	
1820	1806 The London Architectural Society founded 1816 L'Académie des Beaux-Arts founded 1818 Institute of Civil Engineers founded			
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1880	1863 RIBA Voluntary Examination in Architecture established 1868 The Institute of Surveyors is founded PUPILLAGE		and Craft	
1900	1882 RIBA Compulsory Examination in Architecture is established 1887 RIBA three-tier associateship is established (Part 1, 2, and 3) 1894 First dedicated university course is established at Liverpool 1901 AA creates a full-time day school 1904 RIBA Board of Architectural Education established to create "uniform" system		·	
1920	1919 Bauhaus founded in Germany 1924 International Congress on Education held in London, the "obsequies of pupillage"			
1940	1931 Architects' Registration Act implemented 1938 Second Architects' Registration Act implemented, ARCUK 1939 Special committee on architectural education set up by RIBA 1946 Special committee on architectural education set up by RIBA		nternational N	
1960	1957 Half the profession qualifies from External Examinations 1958 Oxford Conference on architectural education is held 1967 External Examination "Testimonies" are phased out		od ern	Po
1980	1970 Cambridge Conference on architectural education is held 1989 AR publishes What's Wrong With Architectural Education? Almost Everything 1991 RIBA Conference on architectural education is held			Po-Mo/ Pluralism
2000	1994 The Latham Report and 1998 The Egan Report published 2005 EU Professional Qualifications Directive (PQD) is implemented 2008 Second Oxford Conference on architectural education is held 2013 ARFA think-tank proposes the London School of Architecture (LSA)			alism

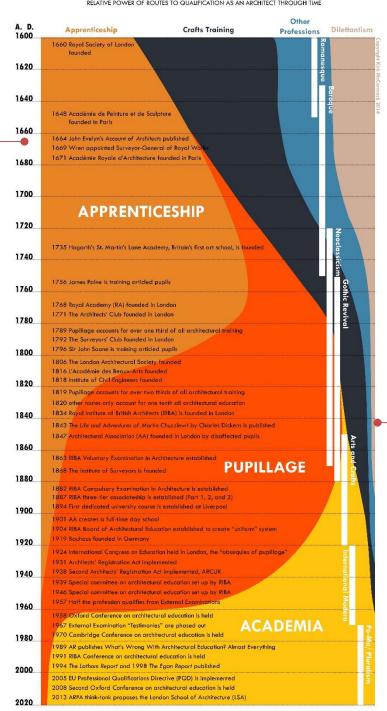
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2020			

The HISTOMAP FOUR HUNDRED YEARS OF ARCHITECTURAL EDUCATION

1664 John Evelyn's "Account"



But how much did it cost to "train" as an architect?



1842 Whittock's "Parents Guide"

A TABLE

OF

TRADES, PROFESSIONS, AND CALLINGS,

SHEWING THE

APPRENTICE FEES USUALLY GIVEN (WHEN ANY),

AND THE

SUMS REQUISITE FOR COMMENCING BUSINESS IN EACH:

WITH REFERENCES TO THE PLACES WHERE ANY OF THESE ARE MENTIONED IN THE PRECEDING PAGES.

TRADE, PROFESSION, OR CALLING.	Pages where Mentioned.	Apprentice Fee,	Capital Required.
William Commence of the Commen		££	££
Academy or Seminary		25 to 100	250 to 500
Accountant and Arbitrator		50 to 100	200 to 300
Accourrement and Belt-maker -	283		S000111 10001 200
Agriculturist	1	100 to 200	500 to 2,000
Agent: viz. (See also, Broker, Pactor,	Sales-		
man).	100000		22.5 (6) (6) (7) (8) (7) (7)
1. Army		100 to 200	1,000 to 3,000
2, Genéral		20 to 50	100 to 500
3. Navy			100 to 250
4. Irish Linen		50 to 100	250 to 1,000
- 5. Shipping and Custom House		20 to 50	150 to 300
Anchor Smith	- + 407		and the same of the same
Appraiser, Furniture-broker, and I	Iouse-		
agent	- 8, (459)	10 to 30	100 to 300
agent Apothecary	5, (131)	100 to 500	250 to 500
Architect, or Surveyor (which see) 10, ((323), (416)	150 to 500	500 to 1,000
Architect, or Surveyor (which see) 10, (- 15, (362)	100 to 250	120000000000000000000000000000000000000
Ass-skin Pocket-book-maker.			
Attorney at Law [with stamp duty]	12	250 to 350	500 to 1,000
Author and Editor		250 to 500	100 to 250
Armourer (See Brazier).	12(2)		24,7 25, 200
Auctioneer	8	50 to 150	500 to 1,000
Aurist (and see Surgeon)	15	24.44.404	000 10 11000
Backgammon Table-maker (See Chess-b			N STATE OF
Back-maker	- 16, (161)	10 to 25	150 to 250
		5 to 10	100 to 250
Rakov Broad and Bisonit	16	10 to 25	200 to 500
Rismit (fina) and Paner Broad	- 18	15 to 30	100 to 200
Bacon-dealer and Smoker (and see Facto Baker, Bread and Biscuit Biscuit (fine), and Fancy Bread - Gingerbread -	- 19	10 to 20	100 to 200
See Muffin, Cook, Confectioner.	10	10 to 20	100 10 100
Barrister (and see Counsellor) -		250 to 500	1 000 - 7 500
Band-bex and Hat-box-maker -		The second second	1,000 to 1,500
	on incox	3 000	20 to 30
	- 20, (280)	150 to 250	5,000 to 20,000
Barber, Hair-dresser and Cutter (as		84- 00	me 2
Wig-maker) Basket-maker	24, (426)	5 to 20	25 to 100
	27	5 to 10	40 to 100
French and Dutch-and Tu	irnery	230 62	120200 5000
Warehouse		5 to 15	100 to 200
Bead, Feather, and Flower-manufacturer		15 to 50	100 to 250
Bedstead and Wooden Chair-maker .	- 91	15 to 25	50 to 150
Bed, Mattress, and Palliasse-maker -		20 to 30	200 to 500
Beef a-la-mode shop	- H.		80 to 150

£1,500 in 1850's money!

Didition by

- Oddied You THE CETTY RESEARCH INSTIT "The youth desirous of becoming an Architect should be liberally educated, and in addition to the Latin language, he should be master of French and Italian; have some knowledge of mathematics, geometry and drawing. The premium required with a pupil by a respectable master is from two to five hundred pounds: the youth will also require a considerable sum for the purchase of books, instruments and drawing materials. He must, during his apprenticeship, learn to make architectural drawings from admeasurement, also to sketch picturesque buildings, columns, etc., he must be careful in observing the proceedings of workmen in every branch of business connected with buildings."

But...

"When he is out of his pupilage... he should spend a few months in Italy, to study the remains of the ancient masters, and the works of masters of a more recent date."

"...it is almost impossible for a man in the middle walk of life to afford the money to enable a youth to work his way in this arduous pursuit. If he have not the advantage of a capital to live on till he succeeds in business, the pupil, after he is out of his time, betains employment as a drawing clerk in an Architect's office: and, during his leisure hours, makes plans and drawings for small builders, or is employed to measure and value their work. Some, by this means, get into extensive business.

The precursor of the technologist?

£1,920,000 in today's money!

(see calculations below)

http://longform.ie/how-much-did-it-cost-to-train-as-an-architect-in-the-1800s/

The HISTOMAP

1664 John Evelyn's "Account"



But how much did it cost to "train" as an architect?

1843 Dickens' Martin Chuzzlewit



A. D. Apprenticeship **Crafts Training** Dilettantism **Professions** 1660 Royal Society of Londo 1620 1640 1648 Académie de Peinture et de Sculpture 1660 1664 John Evelyn's Account of Architects published 1669 Wren appointed Surveyor-General of Royal W 1671 Académie Royale d'Architecture founded in Paris 1680 1700 **APPRENTICESHIP** 1720 1735 Hogarth's St. Martin's Lane Academy, Britain's first art school, is founded 1740 1756 James Paine is training articled pupils 1760 1768 Royal Academy (RA) founded in London 1771 The Architects' Club founded in London 1780 1789 Pupillage accounts for over one third of all architectural training 1792 The Surveyors' Club founded in London 1796 Sir John Soane is training articled pupils 1800 1806 The London Architectural Society founded 1816 L'Académie des Beaux-Arts founded 1818 Institute of Civil Engineers founded 1820 1819 Pupillage accounts for over two thirds of all architectural training 1820 other routes only account for one tenth all architectural education 1834 Royal Institute of British Architects (RIBA) is founded in London 1840 1843 The Life and Adventures of Martin Chuzzlewit by Charles Dickens is published 1847 Architectural Association (AA) founded in London by disaffected pupils 1860 1863 RIBA Voluntary Examination in Architecture established **PUPILLAGE** 1868 The Institute of Surveyors is founded 1880 1882 RIBA Compulsory Examination in Architecture is established 1887 RIBA three-tier associateship is established (Part 1, 2, and 3) 1894 First dedicated university course is established at Liverpool 1900 1901 AA creates a full-time day school 1904 RIBA Board of Architectural Education established to create "uniform" system 1919 Bauhaus founded in Germany 1920 1924 International Congress on Education held in London, the "observies of publillage 1931 Architects' Registration Act implemented 1938 Second Architects' Registration Act implemented, ARCUK 1940 1939 Special committee on architectural education set up by RIBA 1946 Special committee on architectural education set up by RIBA 1957 Half the profession qualifies from External Examinations 1960 1958 Oxford Conference on architectural education is held 1967 External Examination "Testimonies" are phased out ACADEMIA 1970 Cambridge Conference on architectural education is held 1980 1989 AR publishes What's Wrong With Architectural Education? Almost Everything 1991 RIBA Conference on architectural education is held 1994 The Latham Report and 1998 The Egan Report published 2000 2005 EU Professional Qualifications Directive (PQD) is implemented 2008 Second Oxford Conference on architectural education is held 2013 ARFA think-tank proposes the London School of Architecture (LSA)

2020

1819 **Pupillage is** 2/3 of all training.

1842 Whittock's "Parents Guide"

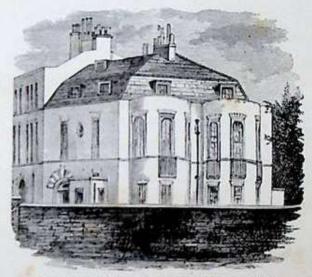
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LIFE AND ADVENTURES

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MARTIN CHUZZLEWIT

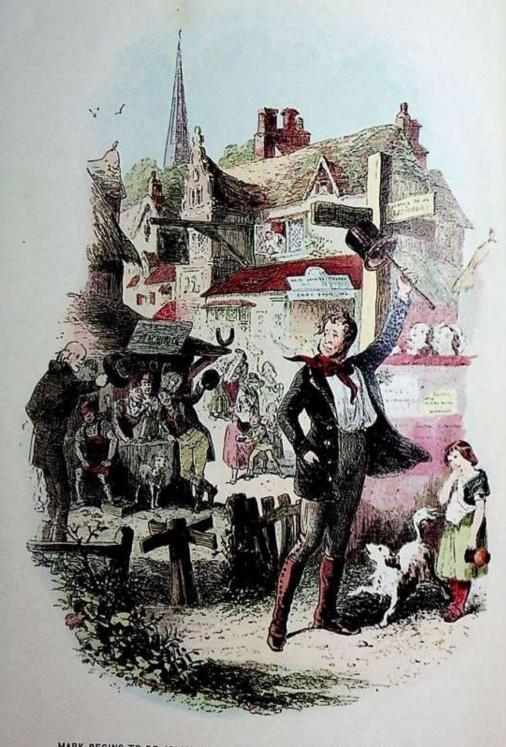
By CHARLES DICKENS



DICKENS'S HOUSE IN DEVONSHIRE TERRACE

WITH ILLUSTRATIONS BY HABLOT K. BROWNE ("PHIZ")

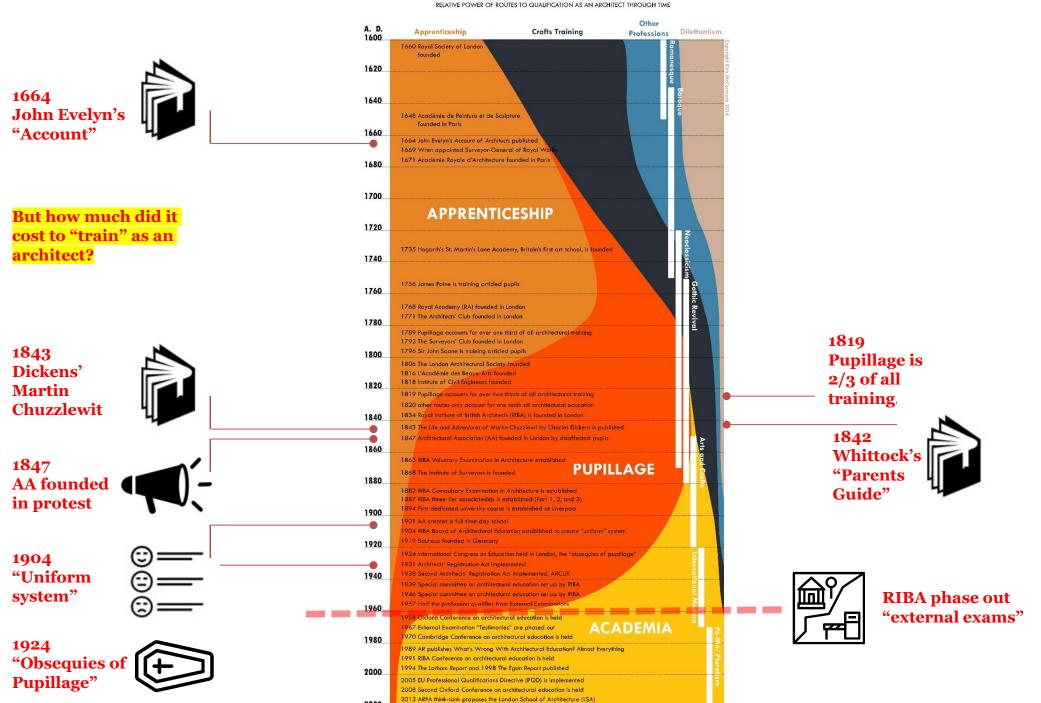
LONDON
THE CAXTON PUBLISHING CO.



MARK BEGINS TO BE JOLLY UNDER CREDITABLE CIRCUMSTANCES.

"When your mind requires to be refreshed, by change of occupation," said Mr. Pecksniff, "Thomas Pinch will instruct you in the art of surveying the back garden,

The HISTOMAP



2020



1958 (up to) Technician role by non-qualified or newly qualified architects.

1958 Conference debated class of architectural technicians be created.

1963 OPW Architectural Technology programme established in DIT Bolton.

1965 Society of Architectural and Allied Technicians formed (SAAT) (HNC Exams RIBA).

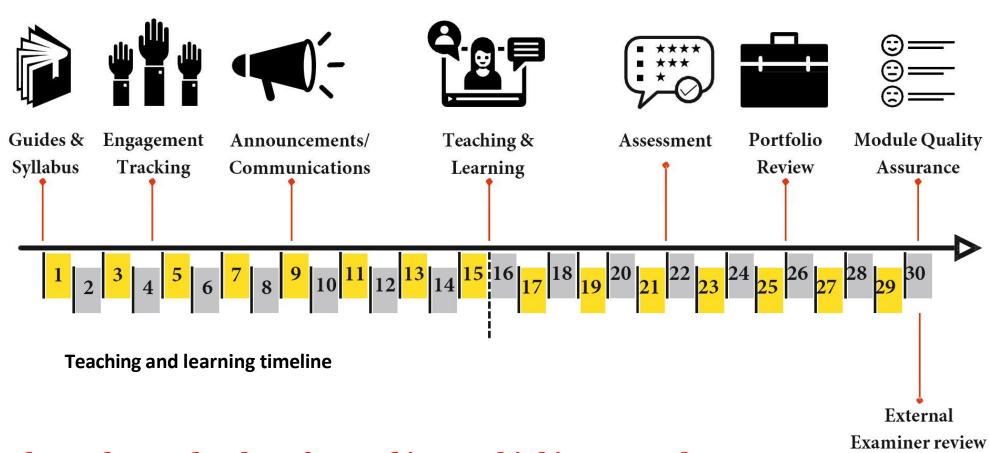
1966 Cert. Architectural Technology programme opened to public in DIT Bolton.

1986 SAAT name changed to British Institute of Architectural Technicians (BIAT).

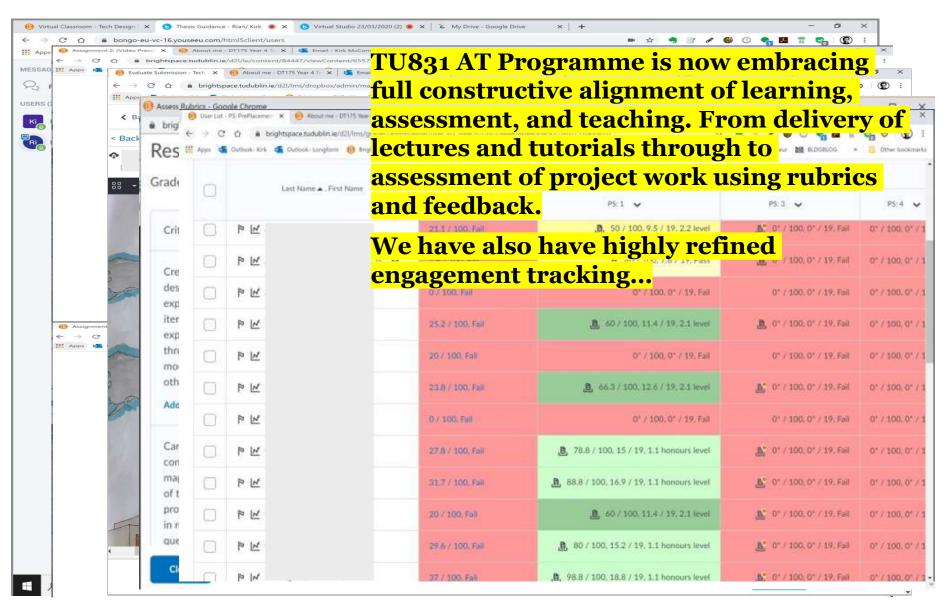
2005 BIAT receives Royal Charter: Chartered Architectural Technologists (CIAT).

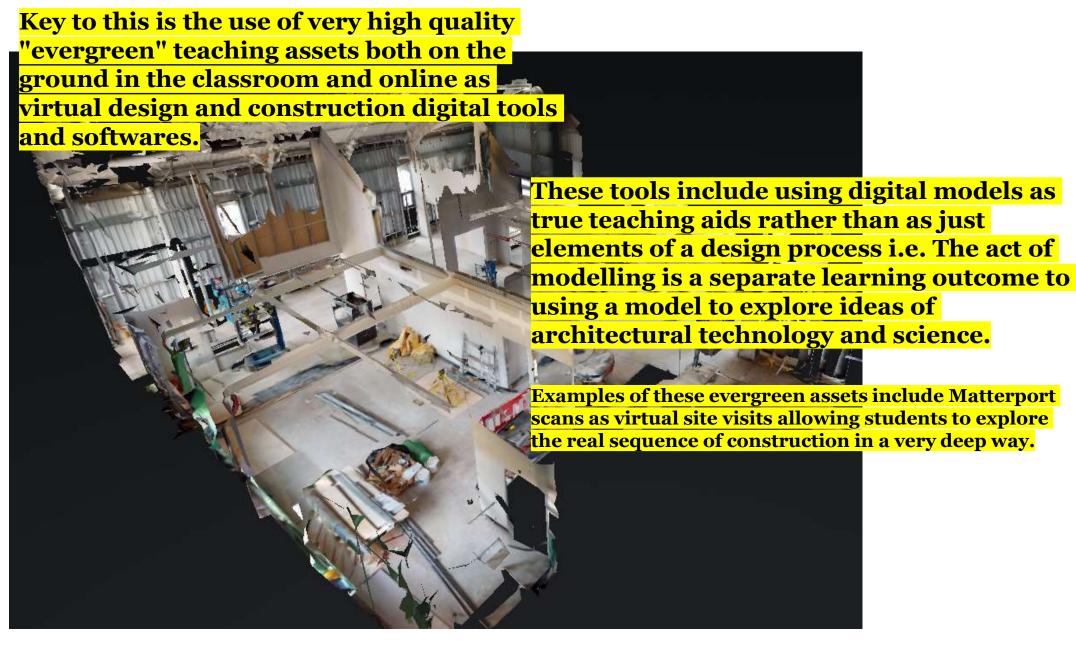
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	1863 RIBA Voluntary Examination in A
	1868 The Institute of Surveyors is four
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	1882 RIBA Compulsory Examination i
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	1931 Architects' Registration Act impl
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2020	2013 ARFA think-tank proposes the L

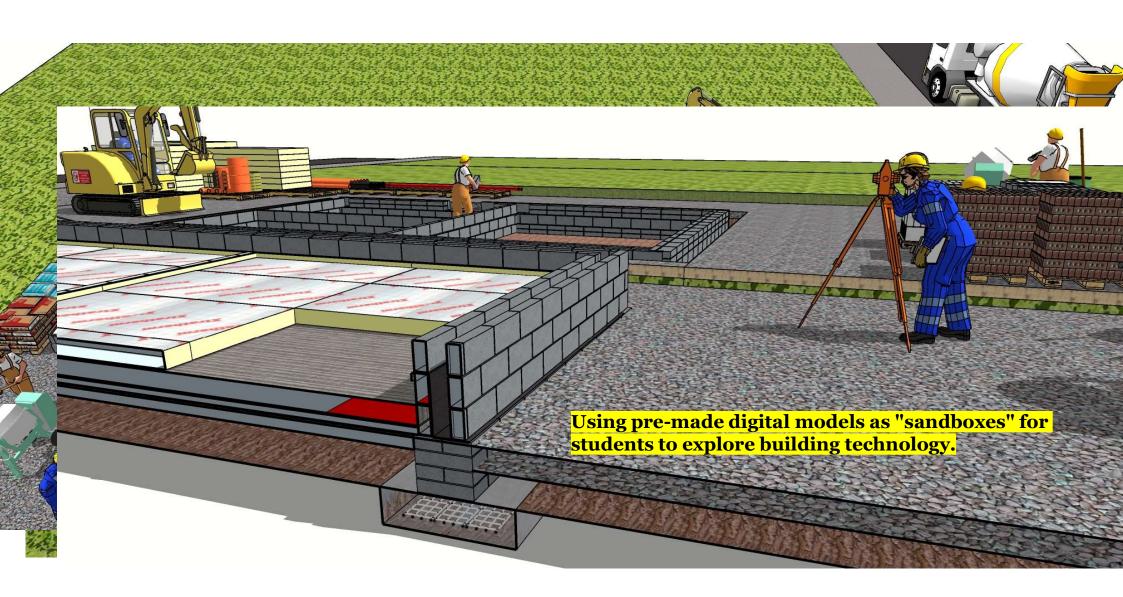
Significant progress has been made in the use of VLE's and remote teaching and learning approaches used on the Architectural Technology programme at TU Dublin.



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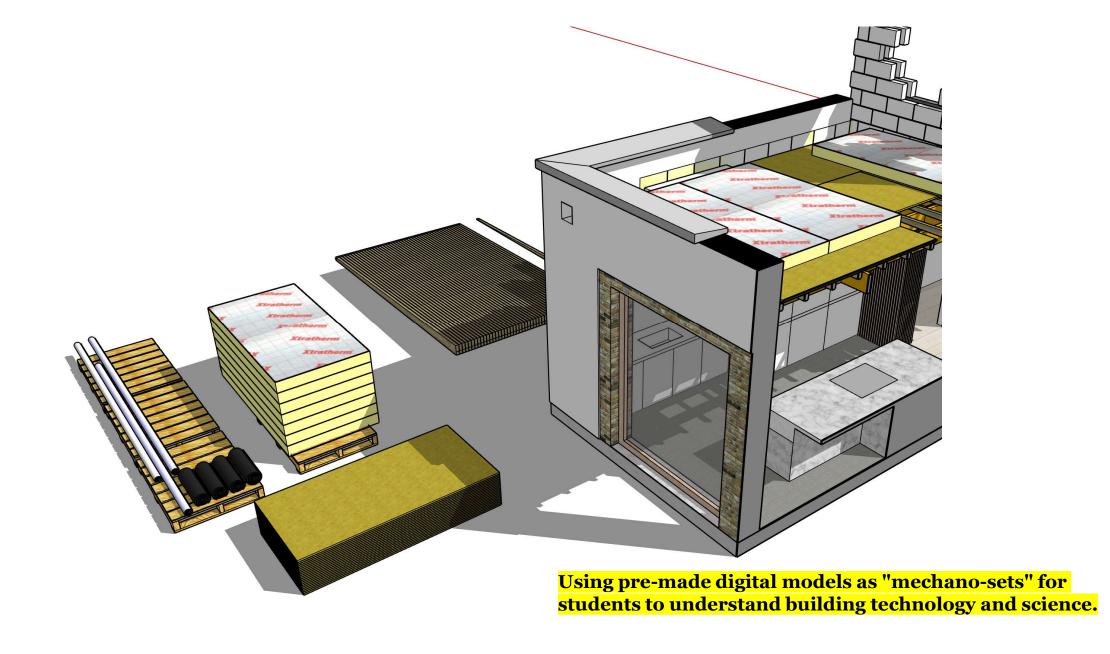


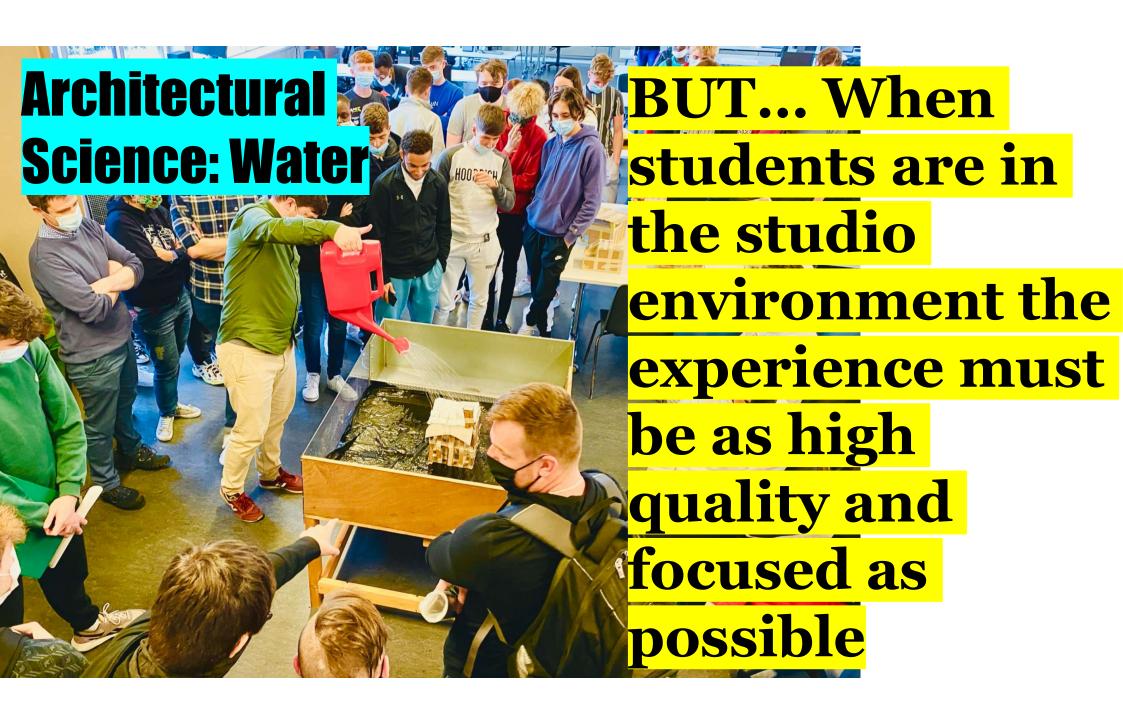






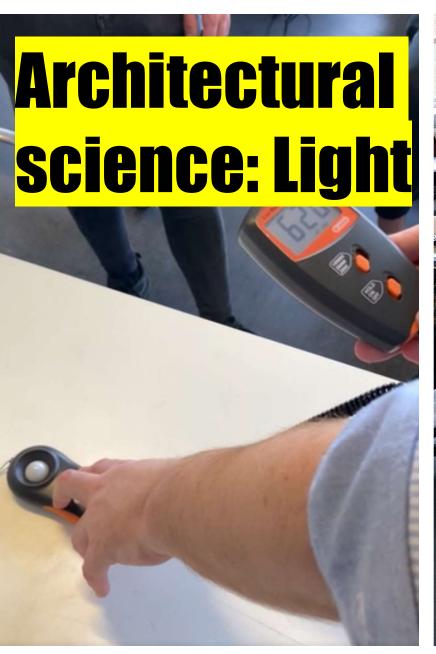
Using pre-made digital models as "mechano-sets" for students to understand building technology and science.







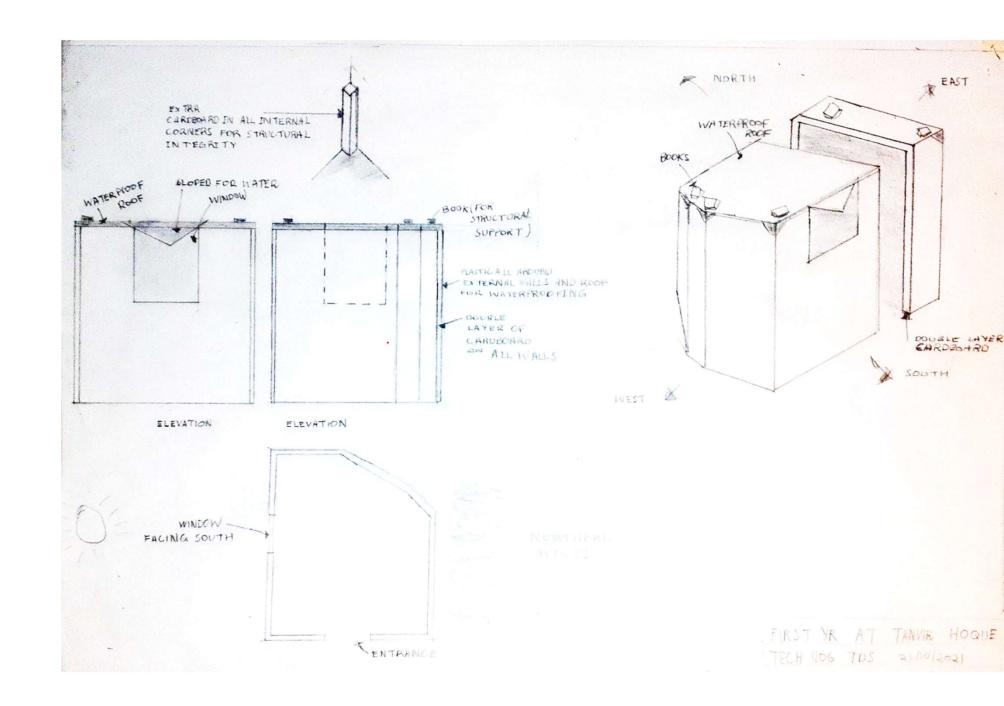


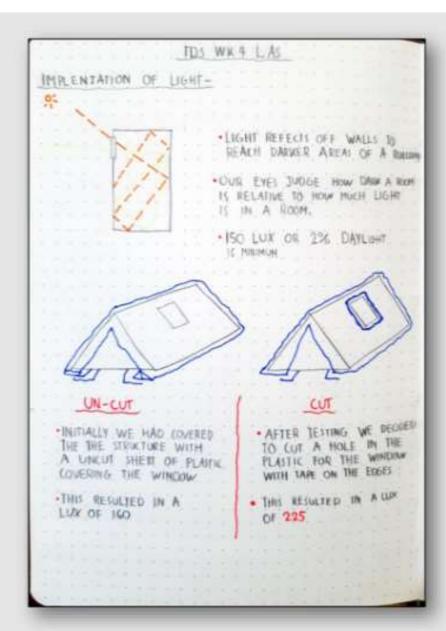


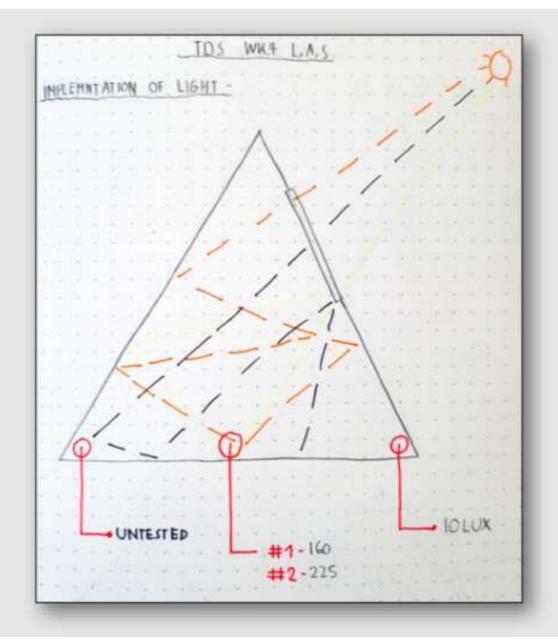








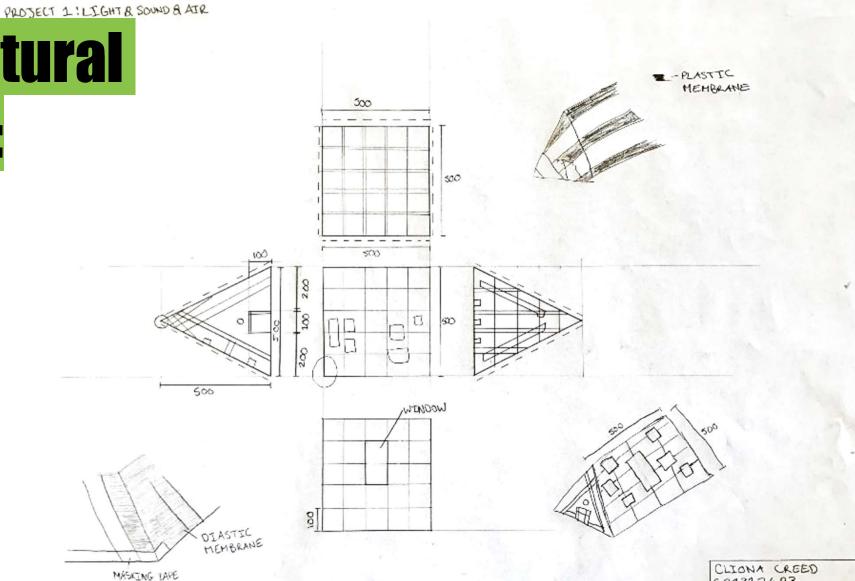






Architectural Science:

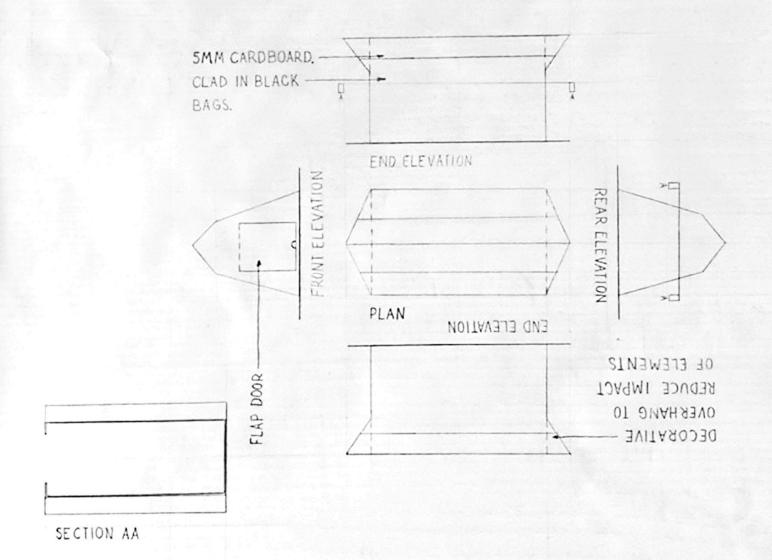
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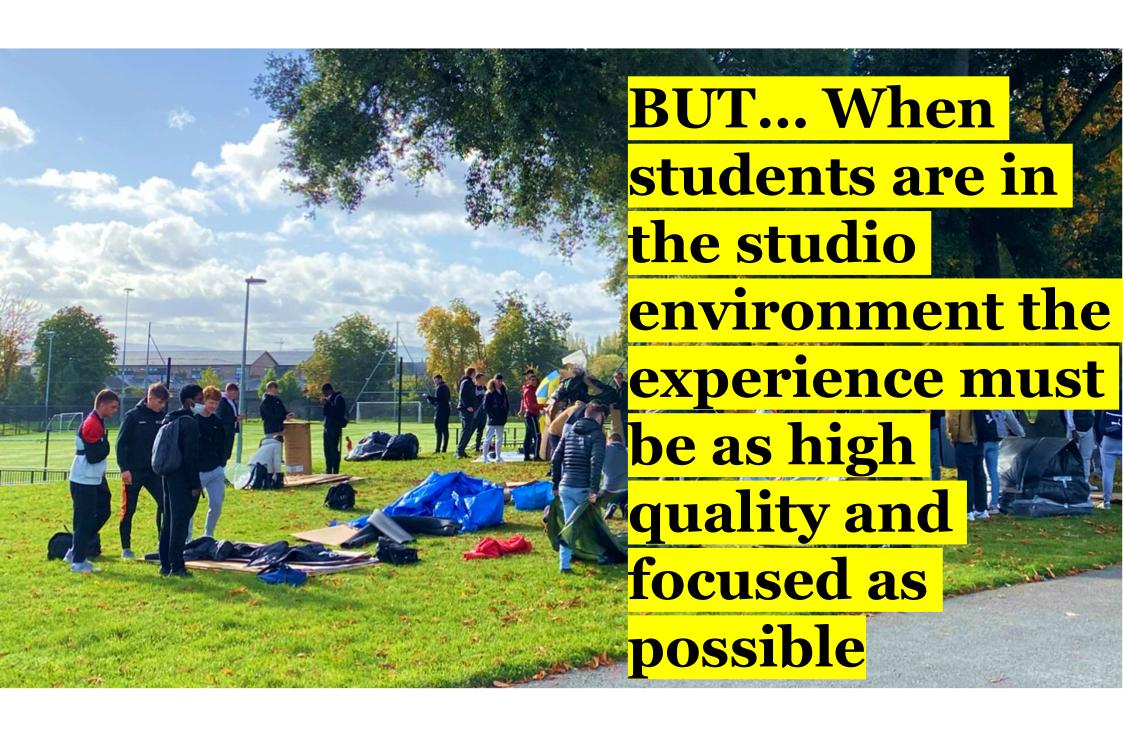




PATRICK FINN
PROJECT1
EXERCISE 6
23/10/2021 1:20







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