

Construction in a Climate Crisis

14 December 2021
18:30-20:00

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Sarah Broadstock
STUDIO BARK + ACAN

TIMBER DEVELOPMENT UK



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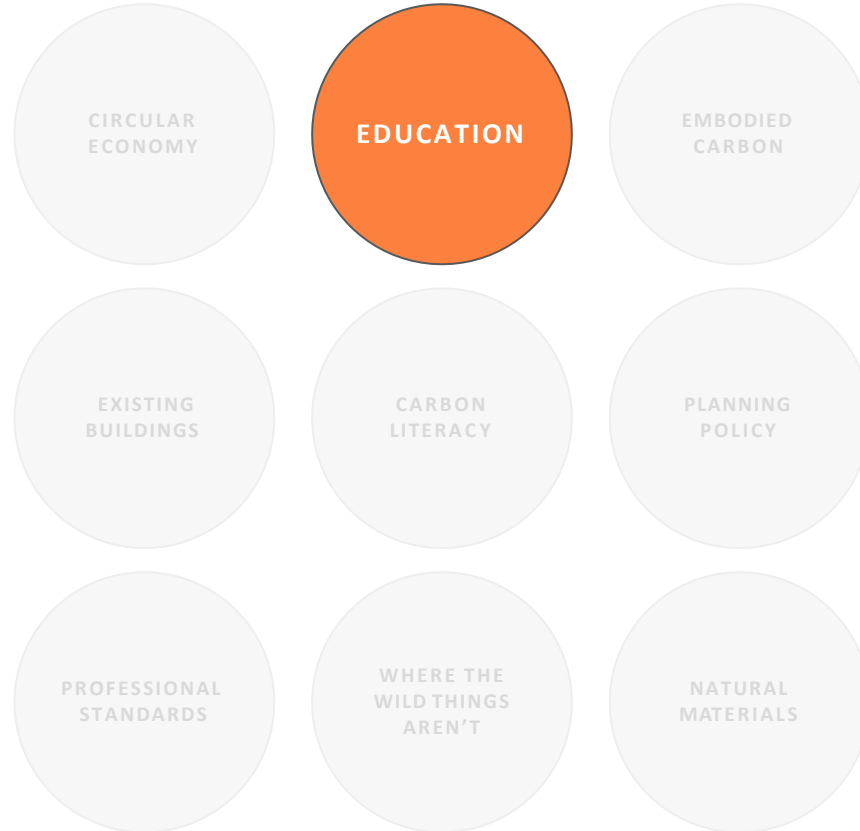


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Education Thematic Group





ACAN Education



CLIMATE CURRICULUM CAMPAIGN

Calling all architecture students, graduates, professionals.
Your education is failing you!
Help us change that.

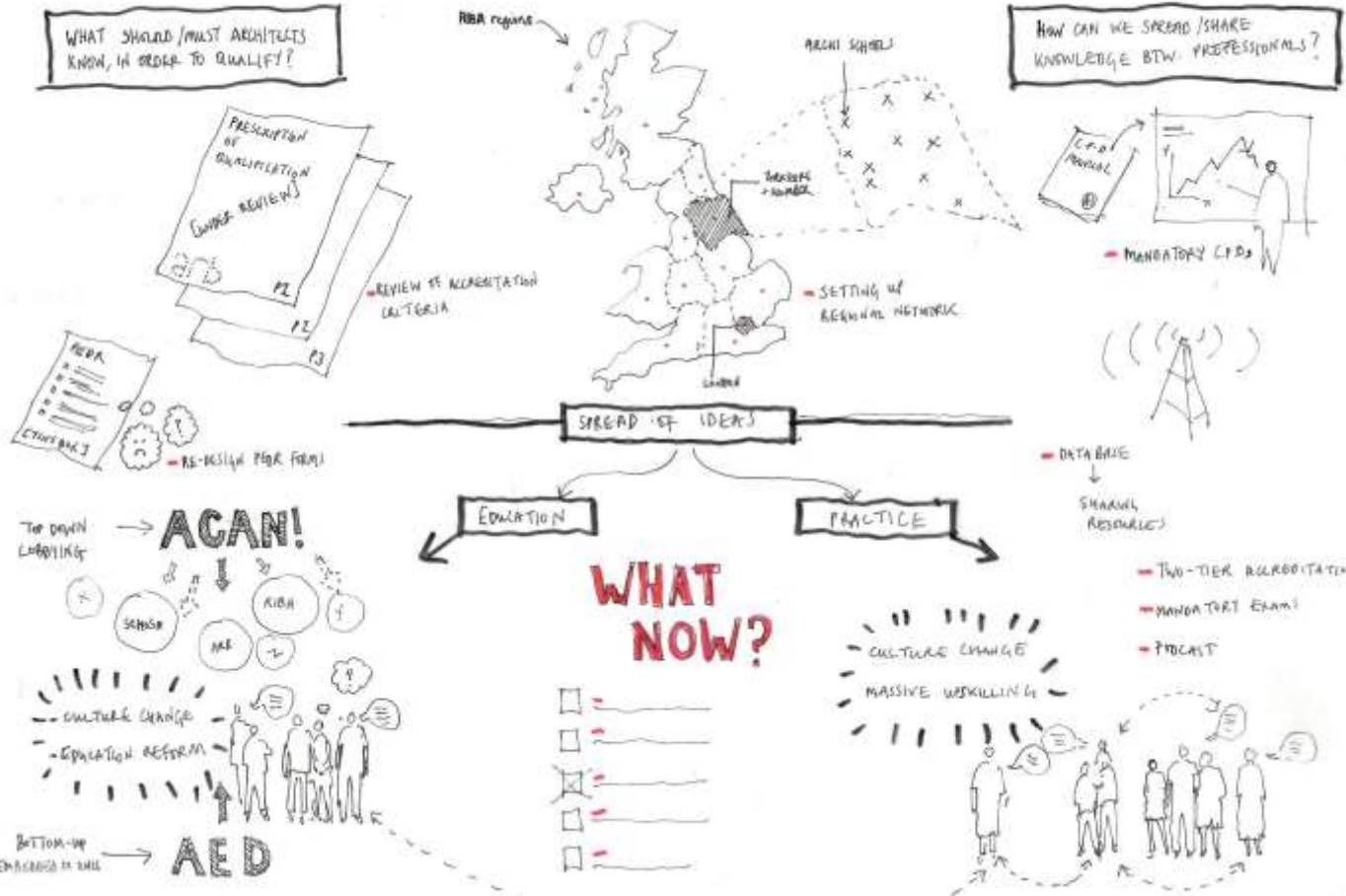


STUDENTS!
CLIMATE
ACTION
NETWORK

EDUCATION & KNOWLEDGE SHARING

WHAT SHOULD/MUST ARCHITECTS KNOW, IN ORDER TO QUALIFY?

HOW CAN WE SPREAD /SHARE KNOWLEDGE BTW. PROFESSIONALS?



Student Climate Action Groups



A!



EDUCATION HAS TO CHANGE!

LET'S BURST THE BUBBLE IN ARCHITECTURAL EDUCATION AND
SAVE THE PLANET!



www.padlet.com/acaneducation/resources



ACAN Education Toolkit - Resources
Created by members of ACAN Education

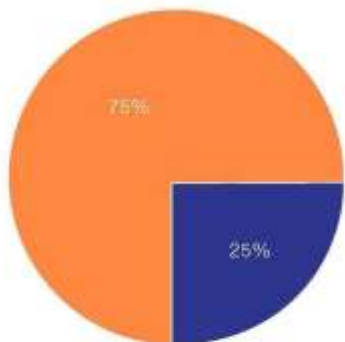
| About | Frameworks | Key Resources | Net Zero Carbon | Energy Use | Embodied Carbon | Building Performance Evaluation | Ecology + Built Environment |
|--|---|--|--|---|--|---|--|
| Info This resource list was compiled alongside the Principles and Practice guidance to form the first version ACAN Education toolkit. These were made by ACAN volunteers as a follow up to our summer workshops. We encourage you to engage, reflect and further share resources we provide here. Please like the resources you find useful to recommend them to others visiting this page. You can find out more about ACAN education here: https://www.architects.org.uk/education | RIBA 2030 Climate Challenge 2030 Climate Challenge RIBA has developed the 2030 Climate Challenge | FutureIterative: Working Towards a New Sustainability by Martin Brown #book | LETT Net Zero 1-Pager Net Zero 1-Pager (LETT) | SEDA - Sustainable Renovation: Improving Homes For Energy, Health And Environment Design Guide - Swedish Ecological Dec... The SEDA are aimed at multi-storey co... Swedish ecological design association | LETT Embodied Carbon Primer https://www.lett.co.uk/en/lep/ LETT Embodied Carbon Primer LETT Embodied Carbon Primer PDF document | Housing Fit for Purpose: Performance, feedback and learning Helen Strossman #book | Cities and Natural Process Michael Hough #book Urban ecology as a basis for shaping cities - working with natural processes for environmental, social and economic benefit. |
| Support Many of the resources collated here are the result of volunteer teams. If you find such a resource useful, we strongly encourage you to donate to the resource creator in order to support their work. You can also donate to ACAN here: https://www.architects.org.uk/donate | An Architecture Guide to the UN 17 Sustainable Development Goals An Architecture Guide to the UN 17 Sustainable Development Goals | The Environmental Design Pocketbook by Sade Peimansars #book http://www.environmentaldesignpocketbook.com/ (website contains info, not full text) | LETT Climate Emergency Design Guide https://www.lett.co.uk/en/ledg/ LETT Climate Emergency Design Guide LETT Climate Emergency Design Guide PDF document | EnerPHI: A step by step guide to low energy retrofit James Trepsner #book | The New Carbon Architecture: Building to Cool the Planet by Bruce King and others #book https://www.carbonarchitecture.org/projects/new-carbon-architecture (website contains info not full text) | Better Buildings: Learning from Buildings in Use Richard Partridge and Steve Brindley #book | The Granite Garden Anne Whitton Sporn #book Poetical, practical analyses of the relationship between nature, urban environments and us. |
| Using the Resources The browsers are organized into | Living Building Challenge Living Building Challenge: The Living, Fair, Wild, Open, Zero+ and Self+ Living Building Challenge system | 100 Rules of Thumb for Sustainable Buildings and Cities New Heywood #book | LETT Climate Emergency Design Guide PDF document | Bullitt Center Homepage for the Living Building-certified Bullitt Center in Seattle including detailed information on design, materials and systems. | Mesh Embodied Carbon Calculator #app mesh Embodied Carbon Calculator | Energy Modelling in Architecture: A Practice Guide Scott Oliveira, Bill Gehring and Elise Marco #book | Ecological Urbanism: A Framework for the Design of Resilient Cities Anne Whitton Sporn #book |
| | | Sustainable Construction by Sandy Hobbily #book | URCBC - Advancing Net Zero Programs Projects and resources includes Net zero carbon buildings framework definition | | | | |
| | | Eco-Minimalism: The Antidote to Eco-Bling Howard Lubitz: RIBA Publishing #book | Advancing Net Zero The goal of the Bullitt Center is to drive a... | | | | Open Documentation 2012 PDF document https://www.lett.co.uk/en/ledg/ |



Student Survey

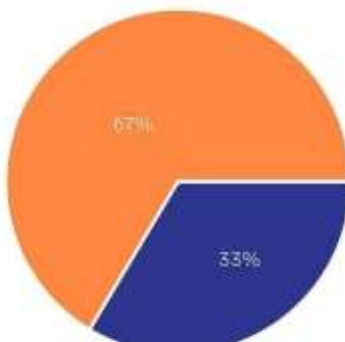


Do you feel your course is properly preparing you for your future work?



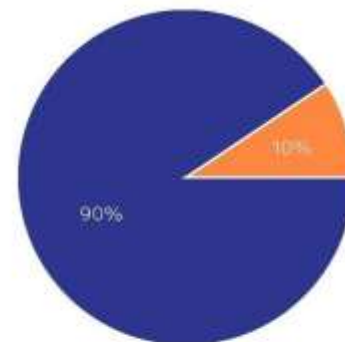
● Yes ● No

Do you feel your tutors are/were appropriately responding to the scale of the climate emergency?



● Yes ● No

Should students be tested on their ability to design Carbon Zero buildings?



● Agree ● Disagree

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UNIVERSITY DESIGN CHALLENGE 2022



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