

# STEM & Sustainable Construction

Greg Steel  
Head of Sector



- Construction trades &
- Civil engineering
  
- Electrical &
- Automotive engineering



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# Curriculum

- SCQF level 4 to level 7
- Automotive
- Brickwork
- Carpentry
- Civil engineering
- Electrical
- Painting
- Plumbing



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# Topics

- Sustainable construction –Eco House
- Green skills – low carbon
- PAS2035 and retrofit qualifications



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# Eco House

- 'Award winning' design to showcase ultra energy efficient building.
- Passive house principles
- Fabric first approach
- Highly commended in CIAT annual awards/Winner Herald property awards



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# Short course/green skills



- Sustainable construction awareness
- Heat loss & insulation
- Air tight construction and testing
- Ventilation systems
- Thermal imaging
- External wall insulation



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# Accredited training



- BPEC heat pump installation
- BPEC solar thermal



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# Retrofit Training



- PAS2035
- Level 5 Diploma in Retrofit Coordination and Risk Management
- Level 2 Award in Understanding Domestic Retrofit
- Retrofit installer training
- Building insulation systems (IWI/EWI)



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# Summary

- **Top tips**
- Invest in upskilling your own staff
- Focus on accredited training
- Try to support candidates by providing funded training.



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