Change your Script

Welcome to the construction industry

What is Change Your Script?

The **Change Your Script (CYS)** Program is a career development initiative designed to provide hands-on training, mentorship, and industry-specific qualifications for individuals entering the construction sector. With a strong focus on **Equality, Diversity, and Inclusion (EDI)**, the program actively supports underrepresented groups, including women and people from disadvantaged backgrounds, offering them the tools to succeed in a traditionally male-dominated industry. Participants will gain valuable skills and real-world experience in trades like steel fixing, shuttering carpentry, engineering, and more. The CYS program is committed to creating an inclusive environment, ensuring everyone has equal access to opportunities and the support needed to build a lasting career in construction.

About the Construction Industry

- **Overview of Construction as a Critical Industry**
  - **Creating Our World:** Construction is essential for building the infrastructure we all rely on - homes, schools, hospitals, roads, and bridges.
  - **Driving the Economy:** It’s one of the biggest industries globally, providing millions of jobs and supporting countless other sectors like manufacturing and logistics.
  - **Shaping the Future:** Construction is at the forefront of progress, delivering safer, smarter, and more sustainable buildings and infrastructure.

About the Construction Industry

- **Diverse Career Opportunities in Construction**
  - **Hands-On Roles:** Trades like steel fixing, shuttering carpentry, and concrete finishing let you work directly on building projects.
  - **Technical and Design Roles:** Engineers and planners bring designs to life and ensure projects are safe and efficient.
  - **Teamwork and Growth:** Every role contributes to the bigger picture, with plenty of opportunities to learn, grow, and take on more responsibility.
  - **A Career for Everyone:** Whether you enjoy practical work, problem-solving, or organizing, construction has a path for you.

O’Halloran & O'Brien's role in the construction industry

We specialize in two distinct types of construction: groundworks, which focuses on the foundations and infrastructure for traditional house building, and RC frame construction, used for creating the structural framework of high-rise buildings. Our expertise in both areas allows us to support a wide range of projects, from residential developments to large-scale urban structures, playing a key role in shaping the built environment across different sectors of the industry.

The Role of RC Frames in Modern Infrastructure

- **The Backbone of Construction:** Reinforced Concrete (RC) frames provide the strength and stability needed for modern buildings and structures.
- **Everywhere You Look:** RC frames are used in everything from high-rise buildings and stadiums to bridges and tunnels.
- **Combining Strength and Flexibility:** RC allows for innovative designs while ensuring durability, making it a key part of today’s construction projects.



What is an RC Frame?

RC Frames and Their Importance in Construction

- **What are RC Frames?**
  Reinforced Concrete (RC) frames are the structural skeletons of buildings made by combining concrete and steel reinforcement (rebar). The concrete provides strength and durability, while the steel rebar gives flexibility, allowing the structure to handle heavy loads and stresses.
- **Why RC Frames are Essential:**
  RC frames are the backbone of many modern buildings because they offer outstanding strength, stability, and resistance to forces like wind, earthquakes, and heavy loads. They are a go-to solution for creating tall buildings, large commercial complexes, and bridges, as they can support the weight of multiple floors and heavy equipment.
- **Versatility and Durability:**
  RC frames can be adapted to almost any building design, allowing architects and engineers to create innovative, complex shapes while maintaining safety. Additionally, they have a long lifespan, making them an ideal choice for long-term infrastructure.

Some of the Trades Needed to Execute an RC Frame Project

Building an RC frame project involves several skilled trades working together to bring the design to life.

These include:

- Steel Fixers
- Shuttering Carpenters
- Concrete Finishers
- Groundworkers
- Engineers
- Deckers
- Strikers
- Storeperson



The role of a Steel fixer:

- Read and interpret design drawings and plans to prepare reinforcement placements.
- Measure, cut, bend, and shape steel bars and mesh to match design specifications.
- Secure reinforcement bars together using wires, nips and tying guns.
- Ensure all steel reinforcements are correctly positioned within formwork before concrete is poured.
- Inspect completed reinforcement work to ensure it meets structural compliance and safety requirements.
- Coordinate with other trades to avoid delays or conflicts during construction.



TRAINING ACADEMY

The role of a Shuttering carpenter:

- Construct and assemble formwork to shape poured concrete into structural elements like beams, columns, and walls.
- Ensure formwork is built to precise measurements and securely braced following temporary works designs to prevent movement.
- Dismantle and reassemble formwork for reuse in different parts of the project.
- Work closely with engineers to ensure formwork aligns with technical designs and specifications.
- Use hand and power tools safely efficiently while following Health and Safety site regulations.
- Inspect and repair formwork to ensure its integrity and readiness for further use.



The role of a Concrete Finisher:

- Mix, pour, and spread concrete evenly into prepared formwork or directly onto surfaces.
- Level and smooth freshly poured concrete using tools like trowels, screeds, and floats.
- Apply finishing techniques like polishing, edging, or stamping for desired textures.
- Monitor the curing process to ensure the concrete hardens correctly without cracks.
- Repair imperfections or defects in the finished concrete surface.
- Collaborate with steel fixers and shuttering carpenters to coordinate timing and processes.





The role of an engineer:

- Perform setting out to ensure the RC frame's layout aligns with structural and architectural plans.
- Use precision tools and instruments to mark out exact locations for foundations, columns, and walls.
- Verify that the construction follows the specified design and structural requirements.
- Inspect and approve work at critical stages to ensure compliance with safety and quality standards.
- Troubleshoot issues on-site, resolving discrepancies between design and execution.
- Collaborate with project managers and trades to maintain accuracy and timelines throughout the build.

The role of Deckers and Strikers:

Deckers:

- Assemble and install decking systems that support formwork during concrete pouring.
- Ensure decking systems are stable, level, and securely fastened.
- Work closely with shuttering carpenters to align decking with formwork structures.
- Perform safety checks on all decking setups before use.
- Assist in dismantling decking systems for reuse or storage after curing.
- Maintain decking materials to prevent wear or damage over multiple uses.

Strikers:

- Carefully remove formwork after the concrete has set to avoid damage to the structure.
- Inspect completed concrete surfaces for defects or irregularities after formwork removal.
- Clean and prepare formwork materials for reuse in other parts of the project.
- Communicate with the site team to ensure safe removal and storage of formwork.
- Follow timing schedules to remove formwork without disrupting the curing process.
- Assist in setting up temporary supports if additional curing or adjustments are needed.



The role of Groundworkers:

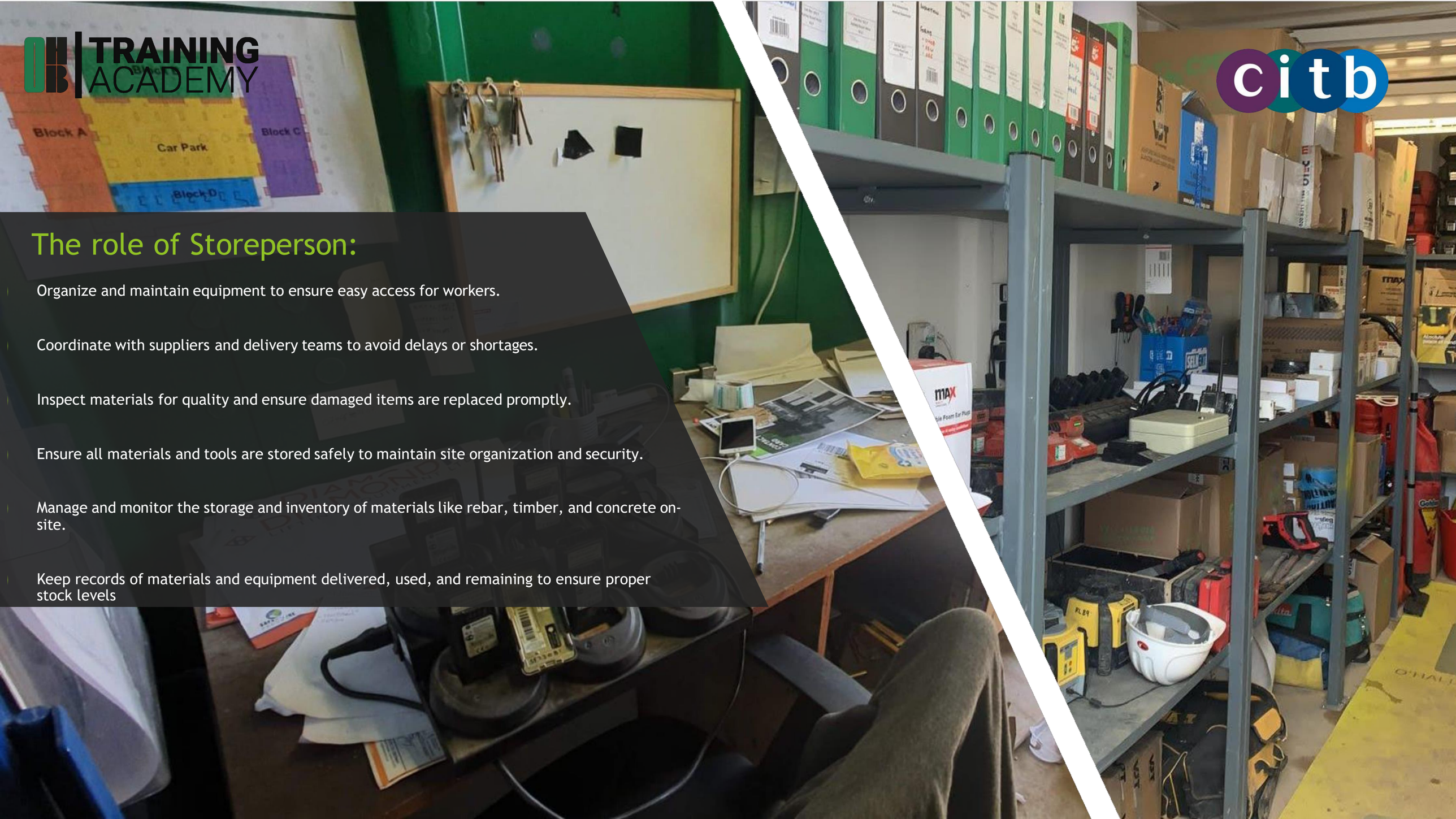
- Site Preparation: Clear and level the site to ensure a stable foundation for construction.
- Excavation and Trenches: Dig trenches for foundations, drainage systems, and utility installations.
- Laying Foundations: Assist in pouring and levelling concrete for solid and secure foundations.
- Drainage and Utilities: Install pipes, drainage systems, and other underground utilities essential for the project.
- Equipment Operation: Operate machinery like excavators, dumpers and rollers safely and efficiently to complete groundworks tasks
- Surface Work: Prepare and lay paths, pavements, and other surface elements as required.



TRAINING ACADEMY

The role of Storeperson:

- Organize and maintain equipment to ensure easy access for workers.
- Coordinate with suppliers and delivery teams to avoid delays or shortages.
- Inspect materials for quality and ensure damaged items are replaced promptly.
- Ensure all materials and tools are stored safely to maintain site organization and security.
- Manage and monitor the storage and inventory of materials like rebar, timber, and concrete on-site.
- Keep records of materials and equipment delivered, used, and remaining to ensure proper stock levels







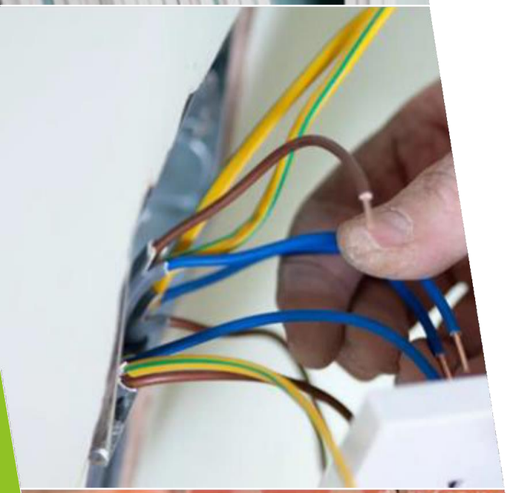




The role of the lifting team:

- Crane Driver:
  - Operates cranes to lift, move, and position heavy materials on-site, ensuring safety and precision during all maneuvers.
  - Conducts pre-operation checks to maintain crane functionality and adheres to load specifications.
- Slinger:
  - Attaches loads to cranes using the correct lifting gear, ensuring secure and balanced lifting.
  - Guides crane movements and communicates with the crane driver to ensure safety and efficiency.
- Crane Supervisor:
  - Oversees lifting operations, ensuring compliance with safety regulations and proper equipment use.
  - Coordinates with the team to plan and execute lifts while mitigating risks on-site.







Other Trades within the Industry:

- Bricklayer: Builds walls and structures by laying bricks, blocks, or stones with precision.
- Scaffolder: Assembles and dismantles temporary structures to provide safe access for construction.
- Electrician: Installs, maintains, and repairs electrical systems for buildings and infrastructure.
- Plumber: Fits, repairs, and maintains water, heating, and drainage systems.
- Painter/Decorator: Prepares surfaces and applies finishes to enhance and protect buildings.
- Dryliner: Installs internal walls, ceilings, and partitions using plasterboard and other materials.

Why Choose Construction?

- Rewarding career creating lasting, concrete achievements.
- Opportunities for personal and professional growth into specialised trades.
- Competitive and well-paid industry.

How to Start Your Journey

What will you need to work in construction?

- Lv.1 Health and Safety qualification.
- CSCS card following completion of the CSCS Health and Safety touchscreen test.
- Steel toe capped boots (Additional PPE items provided)
- Positive attitude and willingness to learn

Join us in Changing Your Script

Why Join CYS program?

- Real-World Training and Experience:
  - Our CYS campaign offers hands-on training in real construction environments, providing you with the skills and confidence you need to excel on the job.
- Mentorship from Industry Experts:
  - You'll be guided by experienced professionals who are eager to share their knowledge, helping you navigate the construction industry and grow your career.
- Enhanced Career Opportunities:
  - By joining the campaign, you'll be equipped with recognized qualifications and practical experience, giving you a competitive edge in the job market.
- Supportive Learning Environment:
  - The CYS campaign is designed to nurture your personal and professional development, giving you the support and tools to succeed at every stage of your career.
- Long-Term Career Pathways:
  - The campaign not only helps you get started but also provides the foundation for continuous growth and advancement within the construction industry.

How To Join

Here are the steps to join:

- Sign up via our website: ohobtrainingacademy.co.uk
- Discuss with your work coach or advisor
- Engage via your local council teams

TRAINING ACADEMY



Join our CYS campaign today and take the first step towards building a rewarding career that makes a real difference in the world of construction.

citb