Extending Equity into the Digital Workforce

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Why IT – Construction

By integrating information technology courses into their studies, high school students studying construction can enhance their skills, improve their competitiveness in the job market, and prepare themselves for the digital future of the construction industry.

1 | Digital Blueprinting

Learn to create and interpret blueprints digitally, which is increasingly common in construction.

2 | CAD Software Skills

Gain proficiency in Computer-Aided Design (CAD) software, essential for drafting and designing architectural plans.

3 | BIM Familiarity

Understand Building Information Modeling (BIM) systems, crucial for collaborative construction projects.

4 | Project Management Tools

Learn to use project management software to efficiently schedule tasks, manage resources, and track progress..

5 | Cost Estimation Software

Acquire skills in software for accurate cost estimation, vital for budgeting construction projects.

6 | Safety Training Apps

Access digital resources for safety training, ensuring awareness of best practices and regulations.

7 | Construction Simulation

Explore software for simulating construction scenarios, helpful for learning and troubleshooting complex projects.

8 | Remote Collaboration Tools

Master tools for remote collaboration, crucial in today's globalized construction industry.

9 | Augmented Reality (AR) Applications

Explore AR apps for visualizing construction plans overlaid onto physical sites, aiding in on-site decision-making.

10 | IT Infrastructure Basics

Gain a foundational understanding of IT infrastructure to support digital tools and systems in construction settings.

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