

LEADING THROUGH YOUNG STEM LEADERS AND POWERING FUTURES



STEM - RESPONSIBLE CITIZENS

COLLABORATE WITH INDUSTRY REPRESENTATIVES IN AN EXCITING CHALLENGE TO FIND A SOLUTION FOR A REAL WORLD CHALLENGE.

The skills developed and the qualifications gained in this course will set you apart from others and will significantly enhance any job, college or university applications.

You will be working with an employer and apprentice/graduate mentor to try to find a solution for a real world challenge a company is facing. You will develop your small team of 4-6, select a challenge, research the current situation and then develop and propose a solution. This will culminate in your team presenting to employers and experts in the field.

Developing your skills in this challenge set by Powering futures will help you to gain a Level 6 Powering Futures and a Level 7 Young Stem Leader full course qualification. You will develop a project to tackle a challenge question and present your project to a panel of judges and industry mentors.

SKILLS FOCUS



COMMUNICATING



COLLABORATING



LEADING



CURIOSITY



CREATIVITY



CRITICAL THINKING



INITIATIVE



ADAPTING



FOCUSING

RECOGNITION OF ACHIEVEMENT

- SCQF 7- Young STEM Leader
- SCQF 6- Powering Futures

SENIOR PHASE PROGRESSION

LEARNING INTENTION, SUCCESS CRITERIA & CAREER OPPORTUNITIES

Learning Intentions

I will:

- Develop the skills involved in a STEM career
- Learn how to take my own initiative through research and collaboration
- Learn to develop problem-solving skills by applying knowledge from several different areas to solve a challenge

Success Criteria

I can:

- Research STEM career pathways
- Plan and carry out a challenge project by breaking it into smaller tasks
- Solve problems by using knowledge from other contexts
- Work effectively in a team to find solutions and present my findings in a clear, persuasive way

Career Opportunities

- Engineering
- Biotechnology Science
- Health
- Digital Technologies
- Agriculture and Business/Finance

The Four Capacities

