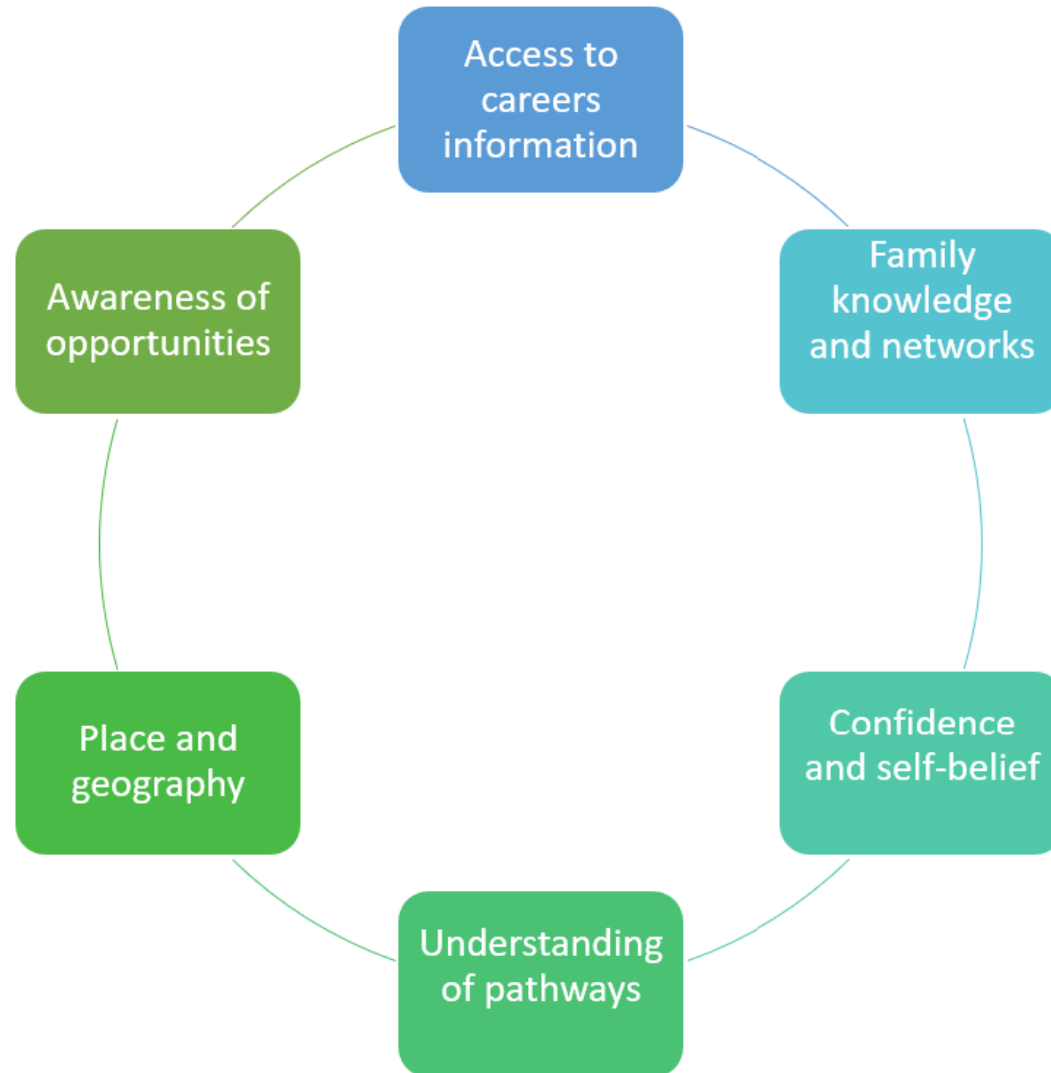


Imagining Inclusive Futures

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The Challenge: Inequality in Progression

Young people
do not start
from the same
position.



Understanding a just transition

A transition
that delivers
benefits:





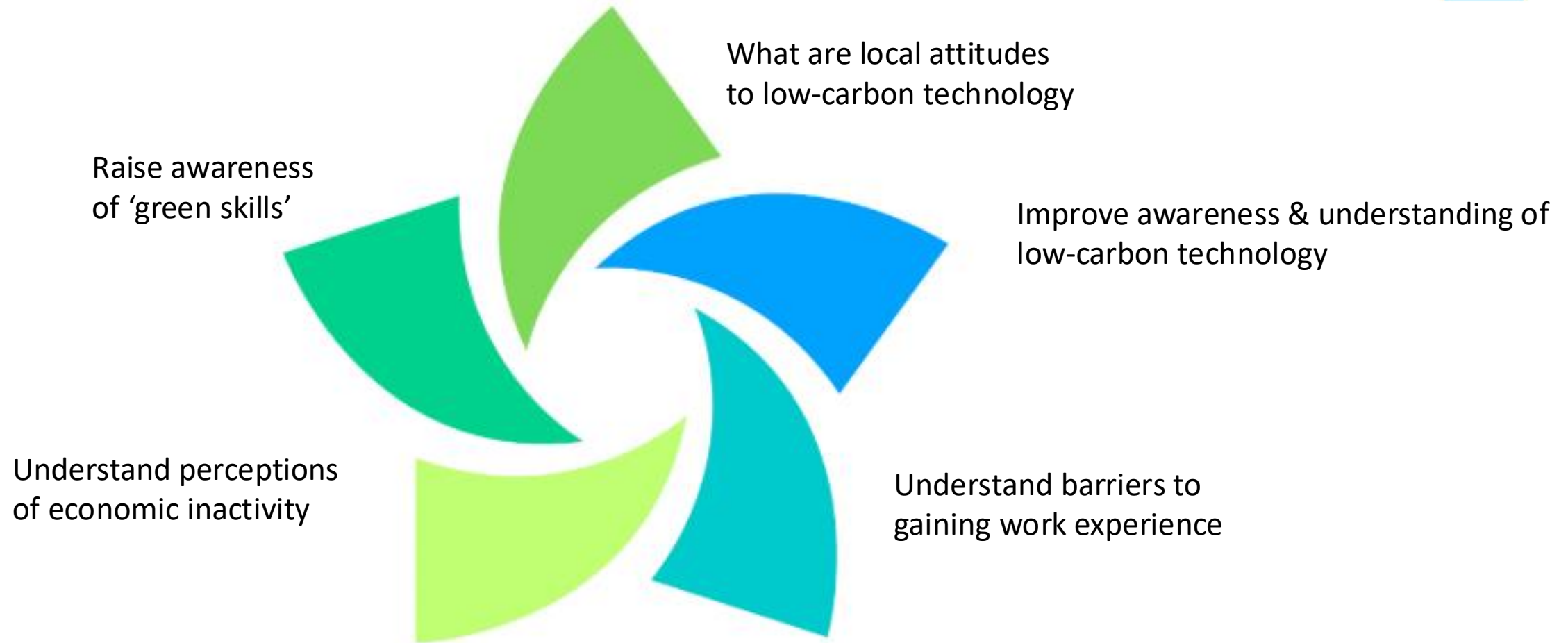
Introducing the Research England Hydrogen Innovation Project



The Vision

- Four year project £11 million collaboration between Teesside University and Durham University
- Aim: To accelerate a just transition to the adoption of hydrogen through catalyzing and embedding research and development across the supply chain.

Just Transition Theme



Why Young People?

- Lack of awareness of net zero careers
 - Technical and non-technical roles
 - Routes into industry including securing work experience
- Lack of awareness of green jobs among parents
- Lack of representation and misconceptions
- Financial constraints



A Different Approach

Traditional careers engagement often asks:

"What job would you like?"

Our workshops ask:

"What future would you like to help create?"

Activity - Police Car of the Future (20 min)

- Working in small groups, build a model or blueprint of a **Police Car of the Future** identifying:
 - What powers it? (Hydrogen, Solar, Hybrid?)
 - Special features? (AI technology, self-driving, high-tech tools?)
 - Consider what makes it sustainable? (Recycled materials, zero emissions?)
 - What makes it better/ different from today?
- Each member of your team needs to take on roles such as Police Officer, Member of Public, Manufacturer, Government Official



Outreach activity developed by the FishCop Project

Hydrogen 2040 - A future scenario

- A hydrogen plant supports net zero
- Water supplies are under pressure
- Infrastructure is ageing
- Drought conditions occur
- Affordability remains a concern

How do we achieve net zero fairly



From waste heat to community heat

- Hydrogen plant produces lots of waste heat
- Design a district heat network for the community
- How do you distribute the energy fairly?



Role Play & Decision Making

Participants become:

- Hydrogen Engineers
- Customer Advisors
- Water Technicians
- Community Campaigners
- Local Decision Makers

They explore:

- Priorities: Who should receive the energy
- Different trade-offs and risks
- Safeguard the vulnerable and environment



Early Insights

- Increased awareness of careers
- Stronger systems thinking
- Greater engagement with fairness
- Improved confidence discussing complex issues
- Recognition of diverse occupations
- Changing aspirations

What does this mean for progression?

- Broadening awareness of opportunities
- Making pathways more visible
- Helping young people identify where they fit
- Challenging assumptions about careers
- Connecting curriculum learning to real-world challenges
- From Awareness → Aspiration → Participation

Emerging insights: Beyond Jobs & Skills

Just transition often focuses on:

- Skills
- Qualifications
- Employment

But progression depends on families, local networks, social support

REHIP is being to integrate our outreach & engagement work

- What parents know about emerging industries
- What information families need
- How aspirations are formed



RESEARCH ENGLAND HYDROGEN INNOVATION PROJECT

