



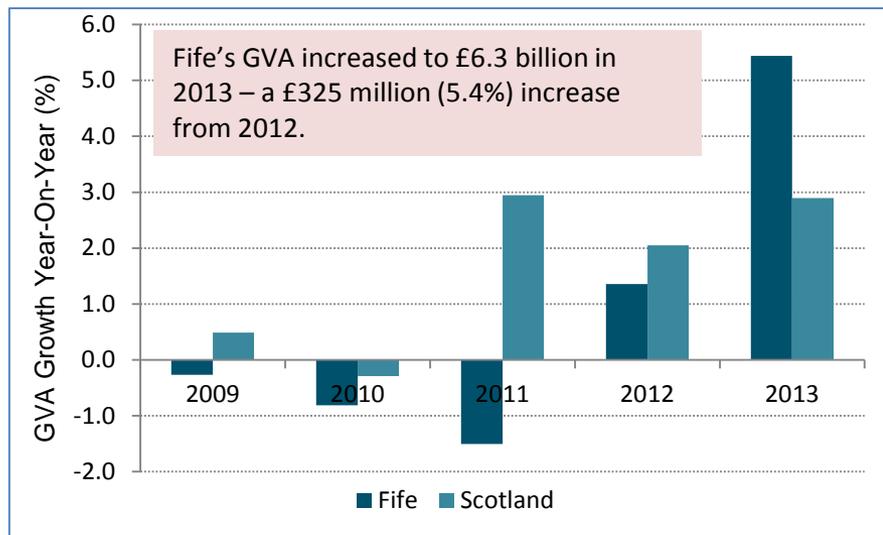
Fife College

**Responding to The Developing
Scotland's Young Workforce
Commission**

**STEM and Fife College and
Schools in Action**

Fife's Economy: An Overview (2009-14)

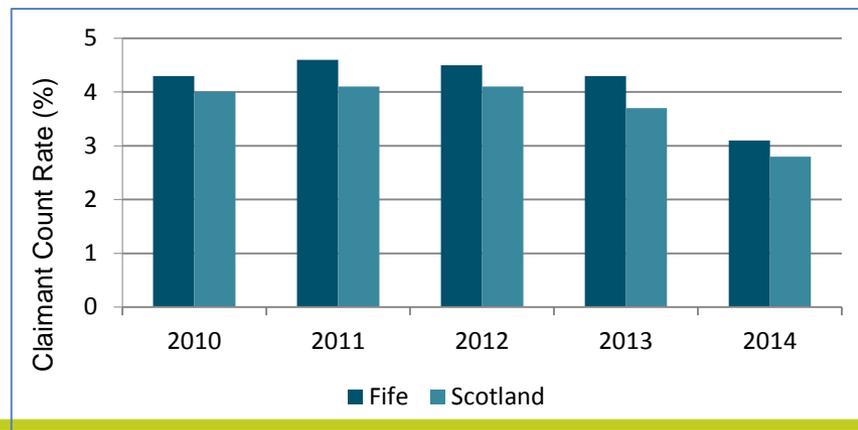
Gross Value Added (GVA)



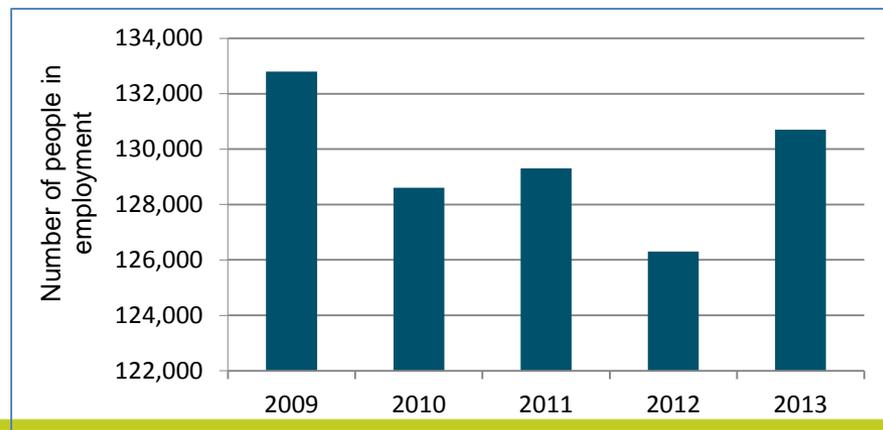
Gross Weekly Pay (£)



Jobseekers Allowance Claimants (JSA)

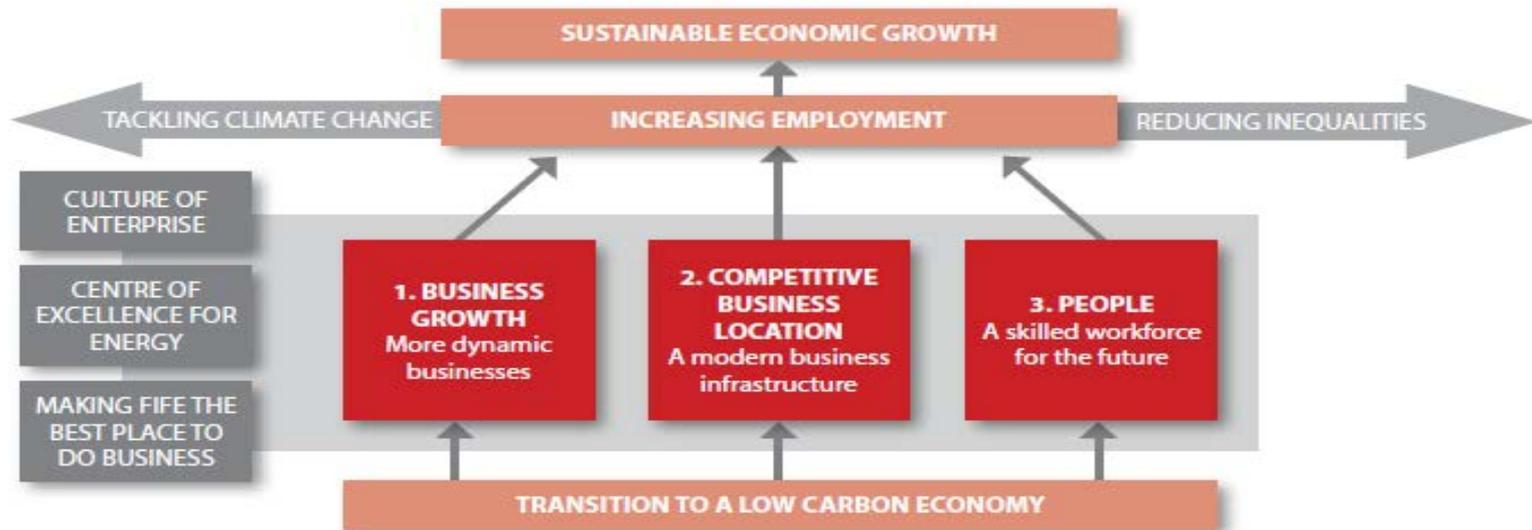


Employment

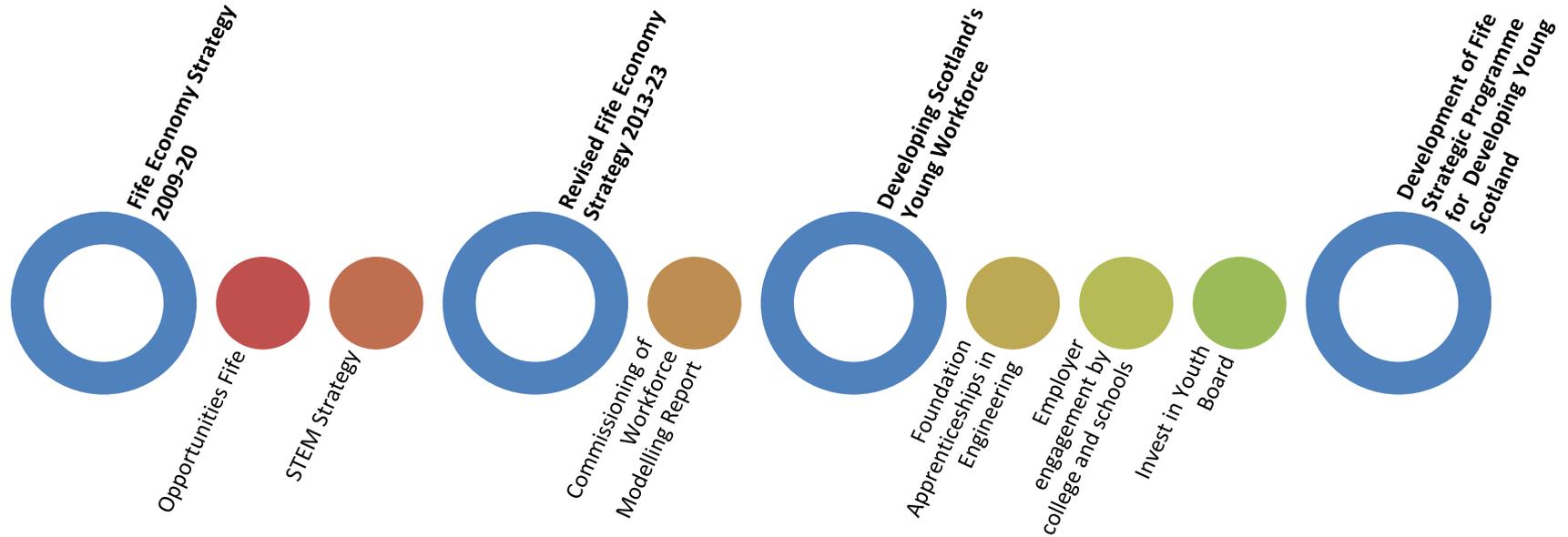


2013-2023: Delivering the economic strategy

Involved all partners in working collectively to align strategies and agree outputs.



2009-15: Milestones in developing a Demand-Led Learning Strategy





Developing and Delivering the Fife STEM Strategy

Launched March 2013

- Led by public sector with private sector support and engagement
- Informing partnership priorities
- Aiming to address market failure, or market weakness in the skills pipeline
- Delivering outputs and outcomes through partnership

Fife STEM : 2013-2018

Target Outcome

Local people engage actively with science, technology, maths and engineering (STEM) and enjoy the benefits and opportunities generated through successful STEM businesses.



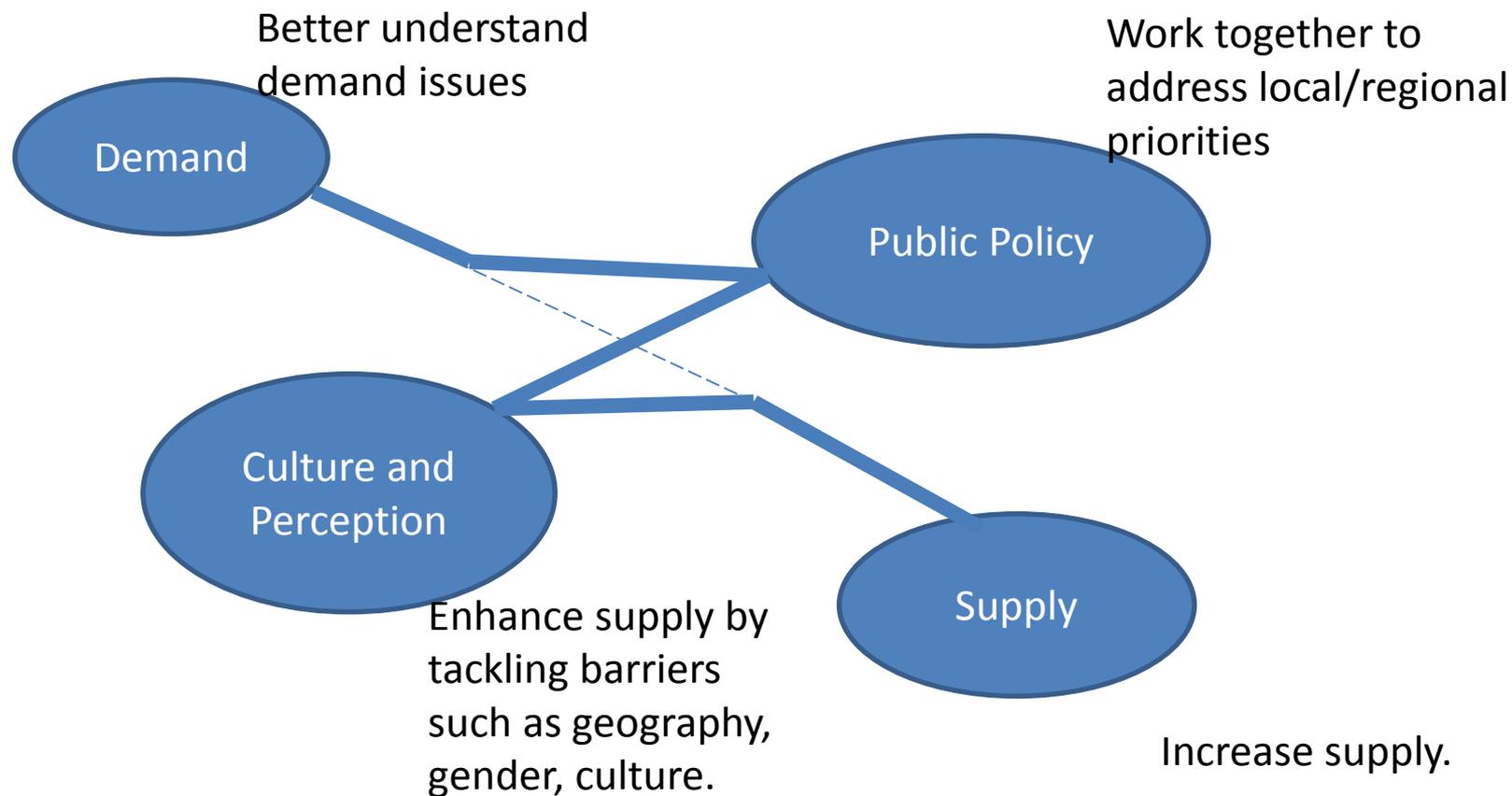
STEM
(Science, Technology, Engineering and Maths)
:Enriching Life in Fife

Fife STEM Strategy Summary



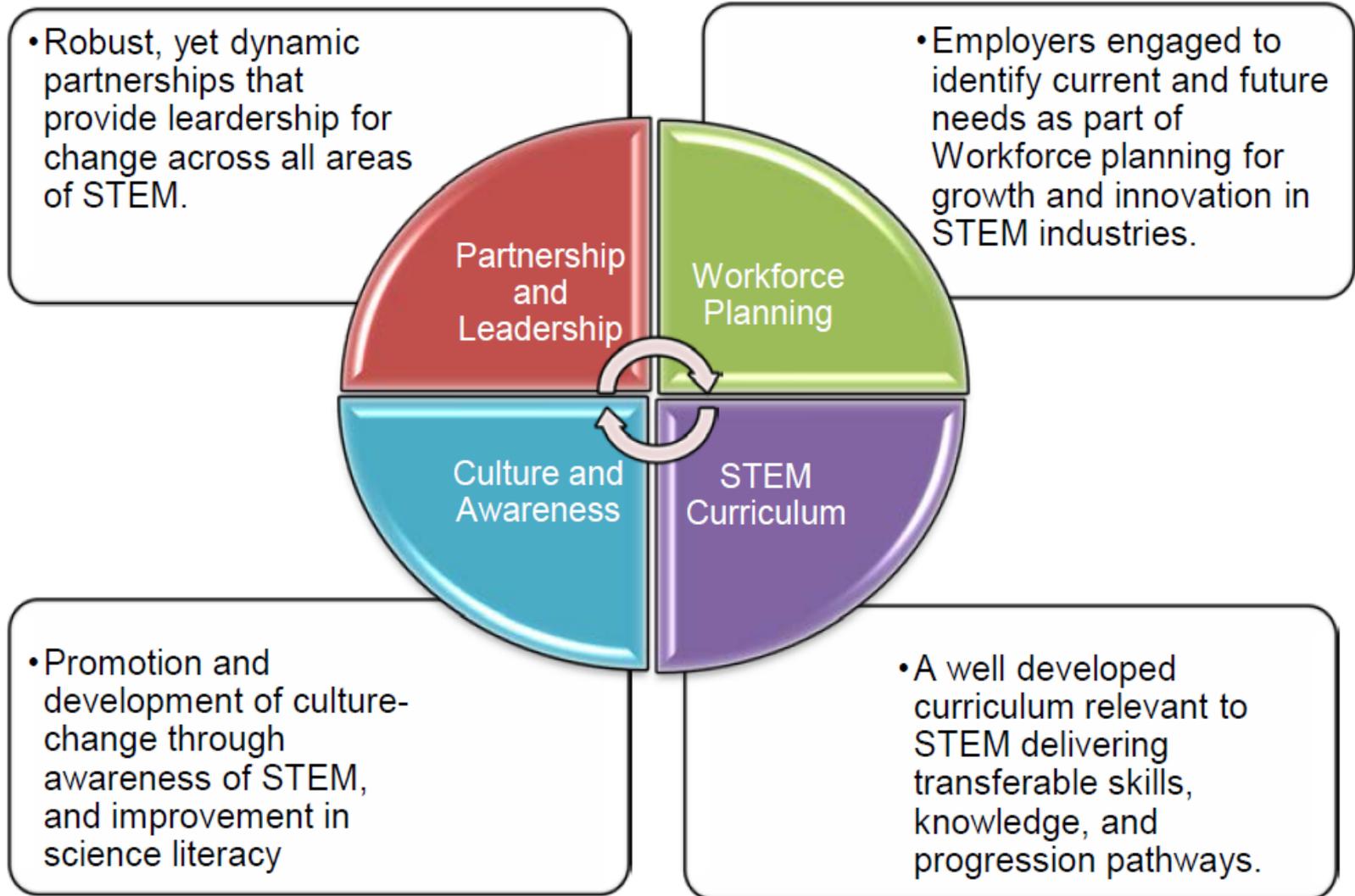


Dimensions of the STEM Strategy

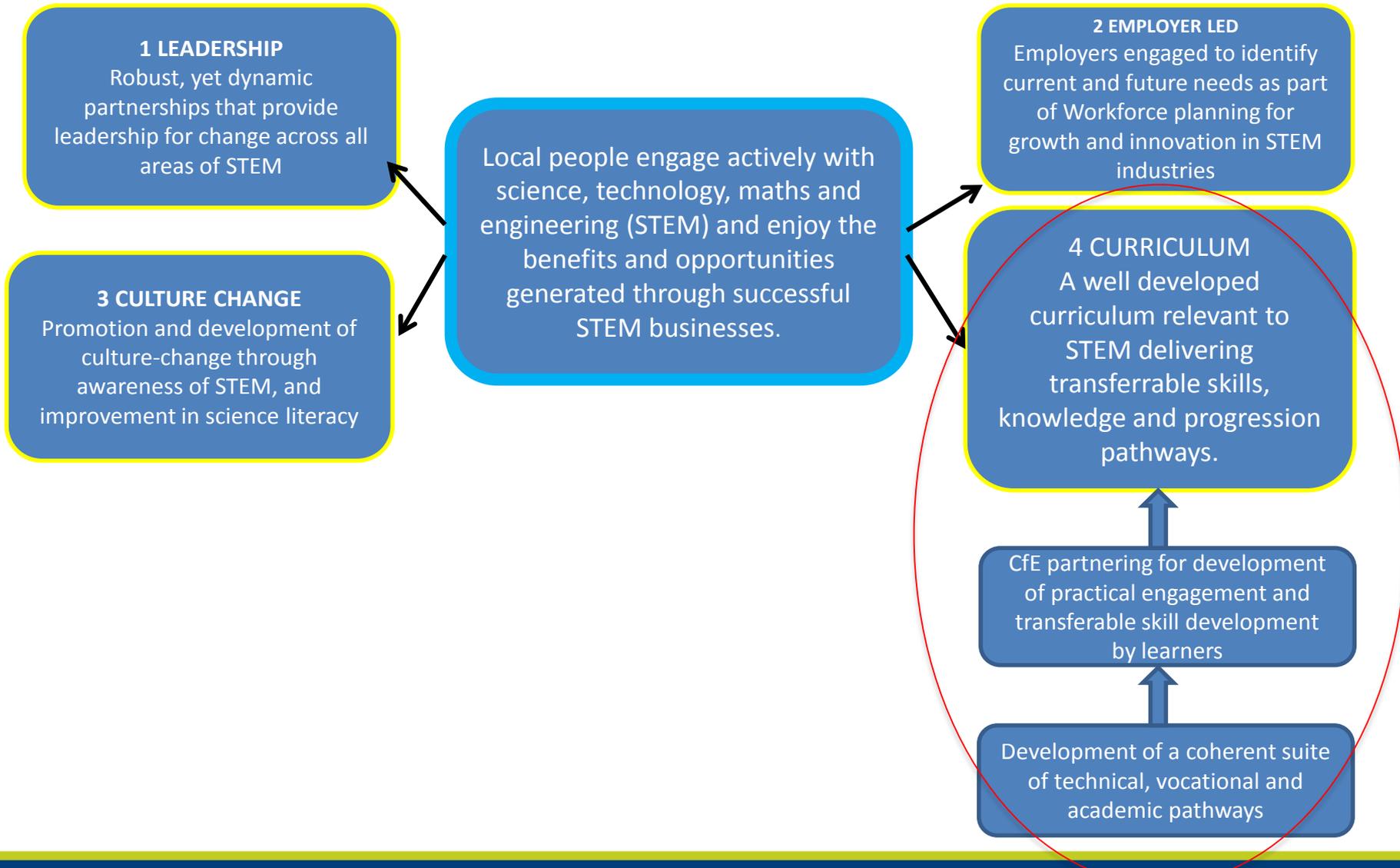


2013-18 Fife STEM Strategy

The STEM Strategy is a 5 Year Plan with four key themes.



Fife STEM Strategy: 4 Key Themes



KEY:

High Level Outcome (10 years from now) Intermediate Outcomes (3-5 year from now) Immediate Activities



2013-14: Report on Developing Scotland's Young Workforce

By this stage:

- Fife had already commissioned TERU to develop a workforce planning framework and research, with local employers and so was well placed to respond.
- Stronger leadership developing through STEM and Opportunities Fife
- Stronger infrastructure developing with now one single regional college



2014-15 : SDS Pathfinder for Foundation Apprentices in Engineering

Fife was well set to respond:

- Aligned demand with supply
- Aiming to provide support for SMEs and micro-businesses by reducing time and cost of full engineering MA
- Is identifying 'alternative' talent- those who may have opted for university and struggled but are now engaged in a work-based route to an engineering degree.

Developing the STEM Infrastructure

- Since 2013 we have worked actively with our STEM Partners to create a strong infrastructure for advice, guidance, employer interventions, from early years and upwards.

Current additions:

- 2 June Maths Summit
- MathsLab
- Computer Science (Senior Phase Partnership)
- STEM East relocation to Fife for higher levels of employer engagement



> Pathfinder

Fife Foundation Apprenticeship Programme



2014-18 Strategy for Change towards Work-Based Learning

Pathfinder Pilot

Commenced September 2014 following 9 months of partnership development

Marketing for 2015-16 and beyond

New engagement models for key influencers, pilot commenced September 2014

New Fife-wide communication to promote 'value of college, and MA's'- launch January 2015

Partnership with SDS in Local/National marketing development

Building infrastructure for 2015 and beyond

STEM Ambassador Network

Pre-entry guidance tools

Work placements in engineering and ***Industry Challenge Projects***

Employer Engagement



2014 Foundation Apprentices in Fife

3 schools

**40 pupils, from
S4,5,6**

**Studying PEO 2 and
NC Engineering
over 2 years**

> Pathfinder



Three campus delivery planned to improve access to all 19 Fife secondary schools:

- Stenton
- Levenmouth
- Rosyth

> Pathfinder

A young woman with long brown hair, wearing a white hoodie, is sitting at a red workbench in a workshop. She is smiling and looking towards the camera. On the workbench in front of her are several sheets of paper, a yellow highlighter, and a blue stapler. The workshop background is filled with various pieces of machinery, including a lathe, a drill press, and a bench vice. There are also grey lockers on the left and a sign that says "Bench Fitting" on the wall. Other people are visible in the background, working at their stations.

Of the 37 Foundation Apprentices 6 are female- all from one school: Lochgelly High.

More on this later!

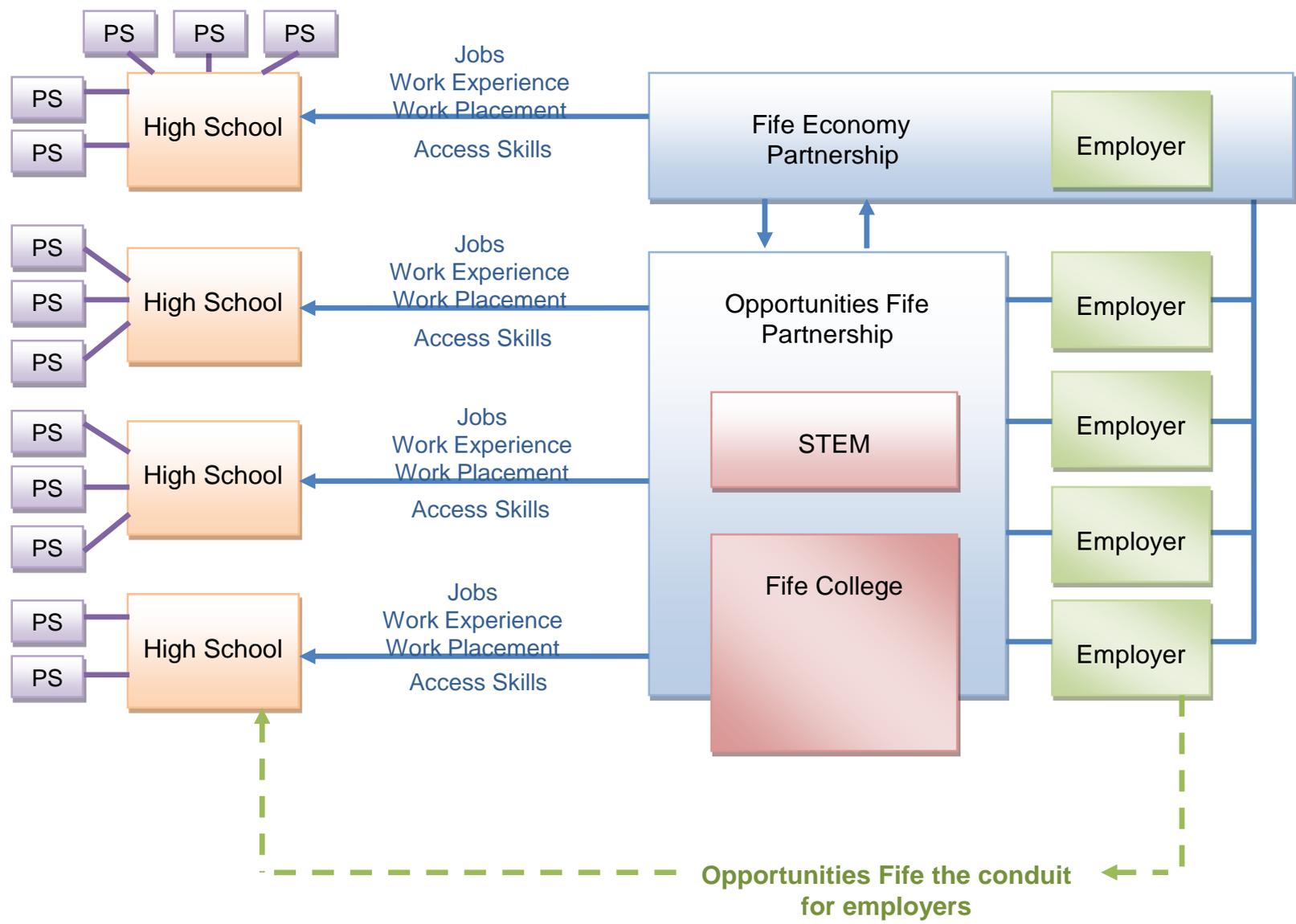


> Pathfinder

Fife Foundation Apprenticeship Programme

Evaluation and Key Findings

- Positive response from all stakeholders: schools, pupils, parents and employers. Eagerness to proceed.
- Need for development of curriculum : core STEM subjects, and early vocational pathways as S3/4
- Potential for strategic change towards work-based learning in Fife. If we use the learning points effectively we can have significant partnership development in improving vocational exit routes for school leavers.





Engaging with employers... effectively??

So far ...the hardest task

The challenges:

- Coping with pressure upon various public partners to put own (central) priorities aside and work collectively.
- Building the infrastructure to build strong customer relationships efficiently but with lasting impact.
- Information and data management
- Reducing duplication
- Predicting needs of small and micro-businesses



Invest in Youth Board soon to be launched

- **Continued investment to develop the best possible infrastructure for Fife:**
 - Integrated engagement planning
 - Data and information gathering and sharing
 - Reduced duplication in engagement
- Referral to correct agencies, and employers fully satisfied:
 - More placements; more Modern Apprenticeships; more interventions with and for school children to enhance work-based learning pathways.

**Thankyou for listening?
Questions**