

Leading Practice in STEM

Lessons from the SSAT STEM Pathfinder

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Criteria (1)

- **Either 65% or above 5+GCSE including English and mathematics (2007 results)**
- **Or top 20% CVA national ranking and a minimum 45% 5+GCSE including English and mathematics (2007 results)**
- **the capacity of schools to implement good quality programmes that deliver agreed outcomes in relatively short timescales, including OFSTED leadership judgements**
- **Maximum of two current specialisms**



Criteria (2)

- **Science results / CVA at least in line with maths and English (2007 results)**
- **Successful track record in specialism programme including well established links with external partners, other secondary schools, HE,FE or industry**
- **Areas of STEM interest**



40 schools

1 academy

2 engineering

9 technology

8 +2 maths and
computing

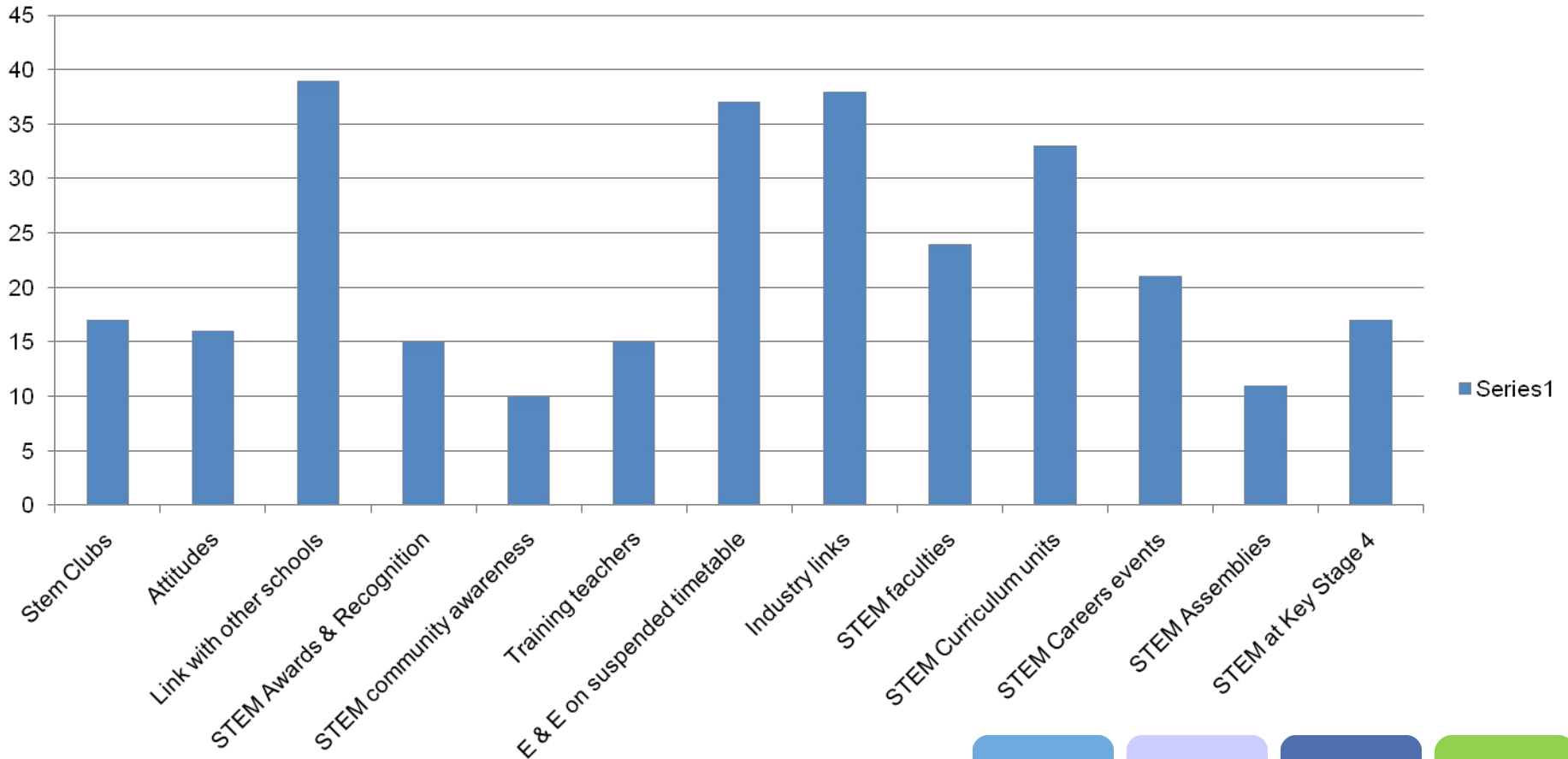
16 + 2 science



Activities



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Some stories from schools

- **Uffculme**
- **Trinity Catholic High School**
- **Balshaw's CE High School**
- **The Skinners' School**
- **Ashmole**



Use by heads

- **Developing pedagogy**
- **Developing inter-departmental collaboration**
- **CPD for staff**
- **STEM faculty**
- **Developing industry links**



Lessons

- **What is STEM?**
- **What is teachers' motivation?**
- **What do pupils get out of it?**
- **How does society benefit?**
- **What is benefit to schools?**
- **What are productive contexts for STEM learning?**
- **On curriculum or through E & E?**
- **The challenges ahead**





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Thank you!

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Further information

<https://www.ssatrust.org.uk/pedagogy/networks/stem/Pages/>

