



Evaluation Outcomes – data analysis

Did the project have a positive impact on girls' maths anxiety?

For students who reported higher maths anxiety at the start of the project (81% female), there was a statistically significant reduction in maths anxiety over the course of the project.

For the female students in the higher anxiety group, there was a decrease in maths anxiety across every question.

Did the project increase girls' interest in maths-related careers?

Maths is useful in lots of jobs:

Increase from 25% to 36%



Maths is useful in creative jobs:

Increase from 54% to 62%



There are lots of maths-based careers in Swindon and Wiltshire:

Increase from 84% to 88%

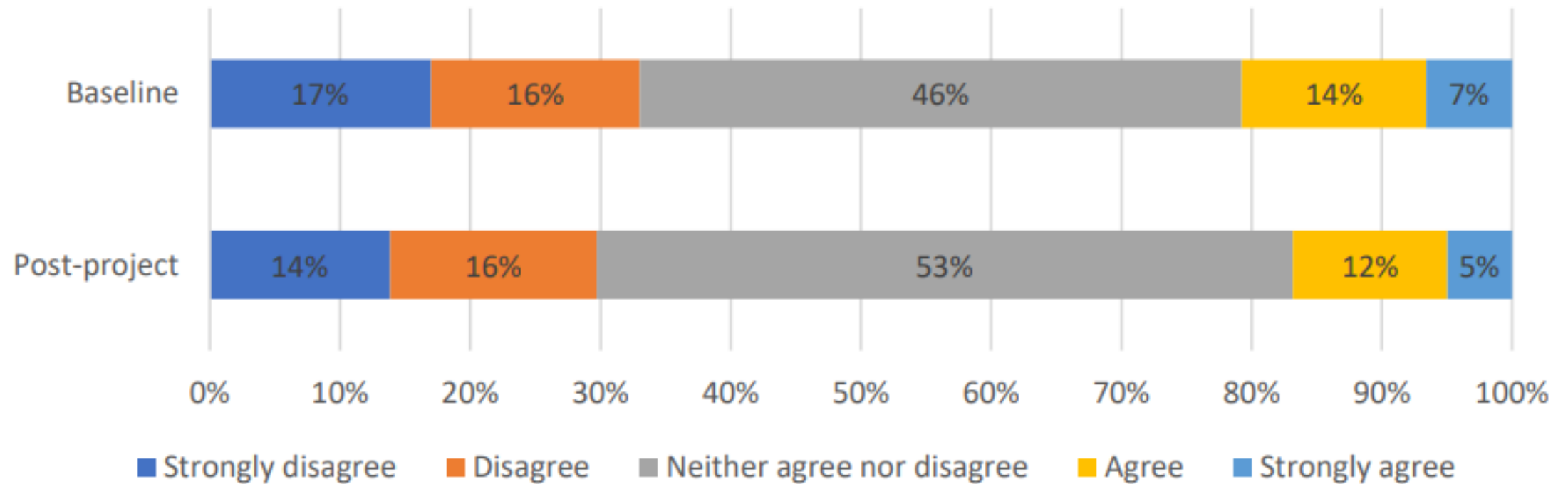


I am interested in a maths-based career:

Decrease from 21% to 17%



“In the future, I would like to have a job that involves maths”.



CEC Guidance

- We cannot publish the report and roll out to schools and colleges, because we have not proved the approach actually works.
- Teacher feedback suggested that Year 7 was too young – they have not yet had enough careers education to allow them to benefit fully.
- Funding has been provided to extend the pilot project to older classes in order to test the format with a better prepared cohort of students.
- Recommendation is to work with the same schools and to expand cohorts to include whole year groups (increase from 8x30 students to 8x150+ students).
- Funding is part of CEC's 'Teacher Encounters' project, so we must build in opportunities for teachers to visit their employer partners in the workplace.

Pilot Phase 2: Scope

- 8 schools to be invited to participate with bigger cohorts in Years 8-11
- Focus remains on Maths (plans to extend to other subjects in 2023-24)
- 8 employers to be invited – based on best fit with subjects being taught
- Project Lead to be recruited to manage teacher-employer partnerships and CEC evaluation
- Project runs January 2023 to August 2023 (8 months)
- Schools engagement will be shorter: April 2023-July 2023 (12 weeks)

Pilot Phase 2: Timeline

Term 2 November – December 2022	Recruit Project Lead Secure support from schools (signed MOU, teaching team, topic, year group) Confirm evaluation plan with CEC
Term 3 January – February 2023	Recruit employers Train teachers and employers as part of a ‘teacher encounter’ workplace visit
Term 4 February – March 2023	Teachers and employers developing classroom resources Teachers training Maths colleagues to ensure whole year group participates Students complete pre-project surveys
Term 5 April – May 2023	Delivery begins Students meet employers, complete challenge activities, potential for visits
Term 6 June – July 2023	Delivery continues Students complete post-project surveys
Summer Break July – August 2023	Lessons learned, data analysis Plan and prepare for roll-out to other subjects and schools

Pilot Phase 2: Funding Breakdown

Budget Item	CEC Funding	Local match funding (in-kind)
Project Lead 0.8 FTE for 8 months (includes NI, pension and oncosts)	£26,980	
Teaching staff cover costs £180/day x 3 days/school	£4,320	
Resources	£600	In-kind support/staff time
Teacher webinars	£600	In-kind support/staff time
Student visits to employer workplaces (transport, cover costs, etc.)	£2,500	
Employer recruitment	£0	In-kind support/time (SWLEP Skills Advisers/EEEC)
School engagement (via Heads)	£0	In-kind support/manager time
TOTAL	£35,000	This includes £10,800 underspend from Phase 1