



Executive Summary

STEM Learning Online CPD courses provide self-paced and facilitated professional development for teachers and others involved in the education of young people, primarily in STEM subjects. The programme offers development in broad teaching skills, such as behaviour management and assessment for learning, and subject-specific courses for practical science and subject knowledge. This report reviews the quality and impact of online courses provided by STEM Learning in the 2019/20 academic year.

Key Findings

This report shows the quality and impact of STEM Learning's Online CPD Programme. Overall, this feedback shows that:

- **Across the programme course quality is rated highly:** 98% of participants rated the overall quality of the course as "good" or "very good".
- **Participants rate the impact of the course on themselves highly:** 91% of participants rated the impact on themselves as "medium" or "high" immediately after the courses. These high levels of impact are sustained 6 months after the course, with 76% of participants rating the impact on themselves as "medium" or "high" in the 6 month follow-up survey.
- **Participant background affects the amount of impact on students and colleagues:** Whilst all participants showed impact on students and colleagues, those with more teaching experience rate the impact of the course on their colleagues and students more highly than participants with less teaching experience. Similarly, those with less academic science background rate the impact on students and colleagues as higher than those with more advanced science qualifications.
- **Teaching focus does not affect the impact participants gain from the CPD:** Regardless of phase taught, subject specialism or whether the participant was teaching within their specialism, all participants found the courses to be impactful on themselves (>95% medium or high), their students (>70%) and their colleagues (>70%).
- **Impact on students increases in the six months post course:** 80% of participants rate the impact on their students as "medium" or "high" six months after the course, an 11% point increase on the 69% of participants who rated the impact on their students as "medium" or "high" immediately post course. This increase shows that six months after completing the course, participants have had an opportunity to embed their learning into their teaching practice and continue to see an impact on their students.

**80% of participants
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their students as
medium or high**

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