

Raising educational outcomes for students with Special Educational Needs and Disabilities

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Phase 2 involved talking to teachers. It identified current targeted intervention practices and how evidence is used in schools, and explored barriers to implementing effective practices through indepth interviews with 33 educational professionals.

Phase 3 included the co-production of a toolkit, an online tool that allows educators to visualise the best-evidenced approaches for particular educational outcomes and SEN groups. The toolkit can inform educational decision making to select the best approaches.



The toolkit and MetaSENse searchable database can be accessed through this link and QR code.

Key Research Findings:

Targeted interventions can raise educational outcomes among students with SEND by an average of five months of progress compared to those receiving teaching-as-usual or active control interventions. There is evidence that some interventions can be effective.

The type of setting in which an intervention was delivered – mainstream or special – had no effect on reading or writing outcomes, but students in mainstream schools showed larger positive mathematical outcomes following an intervention than those in special schools.

Intervention effects did not vary according to delivery: small group versus 1-1, who delivered the intervention or the type of control group used (business-as-usual vs active control group).

Interviews revealed that educational practitioners varied in their understanding of evidence-informed practice and how to go about it. Interviews also revealed practitioners experienced barriers in trying to implement interventions and that they had limited awareness of rigorous scientific methodologies such as the use of control groups and randomised controlled trials (that is, the methods that produce more robust evidence).

Most research is on students with specific learning difficulties. In comparison, there is a relative lack of research on what works for students with intellectual disabilities, physical disabilities, and sensory disabilities such as vision and hearing impairments.

Recommendations

Funders and academics should invest in a more balanced evidence base

Further information about the study and findings can be found
http://www.educationalneuroscience.org.uk/metasense/

There should be

increased opportunities

for collaboration between

researchers and

educational practitioners

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Policy makers and Higher Education providers should ensure that practitioners have more training in evaluating evidence related to interventions and what works in their classrooms



Policy makers should establish a new national database on the outcomes of SEND interventions





