



Collaborative Learning Guidelines

by Education Endowment Foundation

“Some improvement seen - especially with more children explaining to less able peers.”

What I Wanted to Improve

Part of it is a school focus - children don't reason brilliantly out loud. "I just know it." "I just worked it out in my head." Not having the opportunity to discuss their understanding with other children.

What Would Success Look Like?

1. Children will articulate the maths behind their problem solving
2. Children will build on each other's answers in collaborative work

How Did I Approach It?

- Focused teaching sessions on what makes good group or collaborative working (not specific to Maths).
- Used Twinkl Maths Mystery and Escape the Room games as activities that required collaborative working - targeted specific activities at some pupils to motivate them and show that their contribution was valued.

My Context

Primary School,
Nottinghamshire

Ofsted Rating **2**

Free School Meals **7.1%**
(National Average 24.9%)

Pupils **35**

Ages **3-11**

Gender **Mixed**

School Type

Community School

Resources and Cost Required

Moderate- high effort to monitor groups and create tasks to develop reasoning.

Results and Conclusions

Success criteria	What changed?	Why?
Children will articulate the maths behind their problem solving Children will build on each other's answers in collaborative work	Some improvement seen - especially with more children explaining to less able peers Limited change observed	<ul style="list-style-type: none"> • Use of mixed ability groups (4-5 children) rather than pairs • The tasks used didn't require reasoning to be developed

Overall Rating and Recommendation



I have improved in some areas. I think I need to focus on finding and creating tasks that allow collaborative working in maths, as the current range of resources I use don't really allow for this.

The strategy did help, although I have more work still to do in this area to really solve the problem.

