BUILDING THINKING CLASSROOMS







...back in 2003...



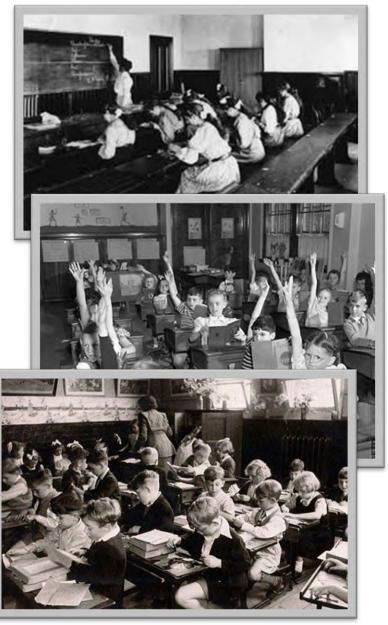




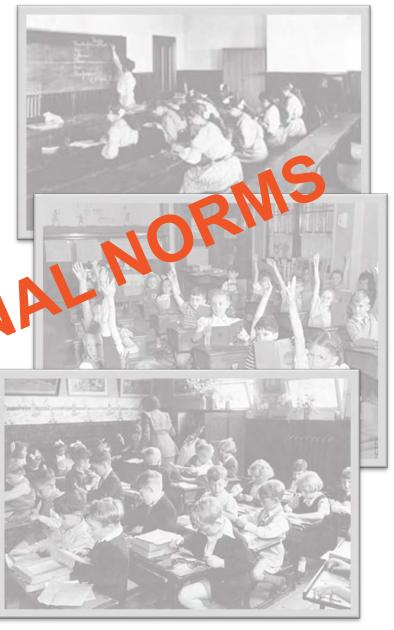




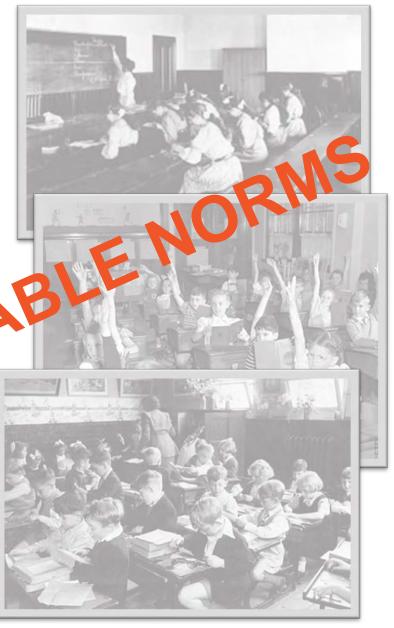




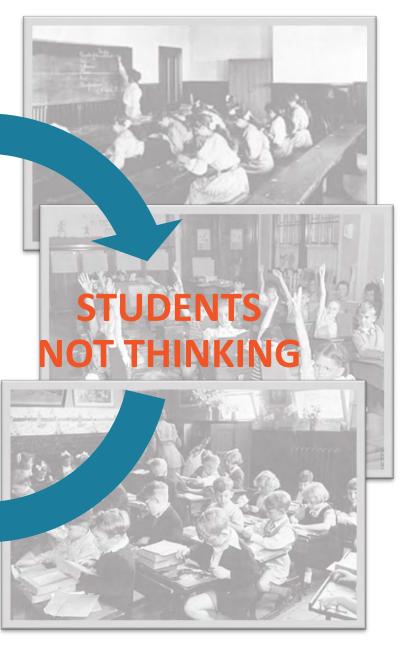














400+ TEACHERS | 15 YEARS | 2 WEEK CYCLES



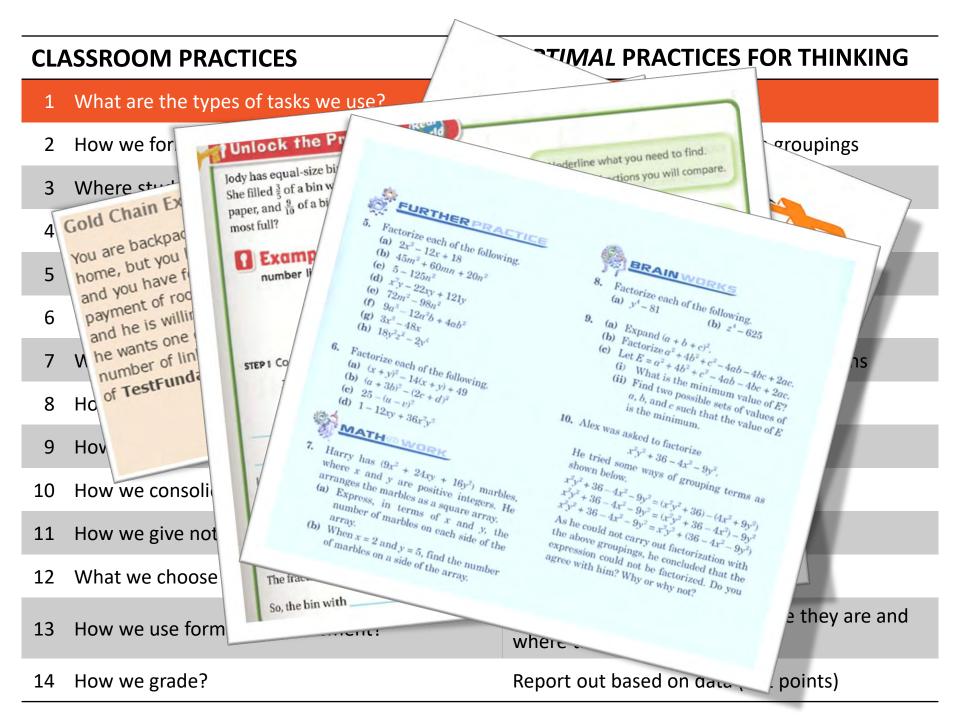
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CLASSROOM PRACTICES What are the types of tasks we use? How we form collaborative groups? Where students work? How we arrange the furniture in our classroom? How we answer questions? When, where, and how tasks are given? What homework looks like? How we foster student autonomy? How we use hints and extensions? How we consolidate a lesson? 11 How we give notes? What we choose to evaluate? How we use formative assessment? 13 How we grade?

CLA	ASSROOM PRACTICES	OPTIMAL PRACTICES FOR THINKING
1	What are the types of tasks we use?	
2	How we form collaborative groups?	
3	Where students work?	
4	How we arrange the furniture in our classroom?	
5	How we answer questions?	
6	When, where, and how tasks are given?	
7	What homework looks like?	
8	How we foster student autonomy?	
9	How we use hints and extensions?	
10	How we consolidate a lesson?	
11	How we give notes?	
12	What we choose to evaluate?	
13	How we use formative assessment?	
14	How we grade?	

CLASSROOM PRACTICES		OPTIMAL PRACTICES FOR THINKING
1	What are the types of tasks we use?	Use thinking tasks
2	How we form collaborative groups?	Form frequent visibly random groupings
3	Where students work?	Use vertical non-permanent surfaces
4	How we arrange the furniture in our classroom?	Defront the classroom
5	How we answer questions?	Only answer keep thinking questions
6	When, where, and how tasks are given?	Give tasks early, standing, and verbally
7	What homework looks like?	Give check your understanding questions
8	How we foster student autonomy?	Be intentionally less helpful
9	How we use hints and extensions?	Create and manage flow
10	How we consolidate a lesson?	Consolidate from the bottom
11	How we give notes?	Use meaningful notes
12	What we choose to evaluate?	Evaluate what you value
13	How we use formative assessment?	Communicate to students where they are and where they are going
14	How we grade?	Report out based on data (not points)

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CLASSROOM PRACTICES

OPTIMAL PRACTICES FOR THINKING



14 How we grade?

Report out based on data (not points)

CLASSROOM PRACTICES

OPTIMAL PRACTICES FOR THINKING

Use thinking tasks 2 Use meaningful notes What we choose to evaluate? Evaluate what you value

13 How we use formative assessment?

Communicate to students where they are and where they are going

14 How we grade? Report out based on data (not points)

CLASSROOM PRACTICES

OPTIMAL PRACTICES FOR THINKING

2

3

5

6

10

11

12

13

14

ILLUSTRATIONS BY LAURA WHEELER

CORWIN Mathematics

Use thinking tasks

Form frequent visibly random groupings

Use vertical non-permanent surfaces

Defront the classroom

Only answer keep thinking questions

Give tasks early, standing, and verbally

Give check your understanding questions

Be intentionally less helpful

Create and manage *flow*

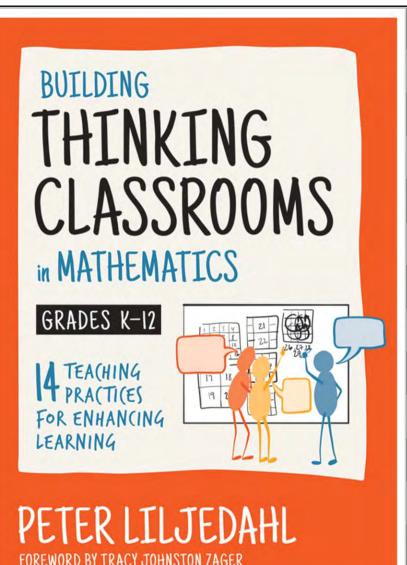
Consolidate from the bottom

Use meaningful notes

Evaluate what you value

Communicate to students where they are and where they are going

Report out based on data (not points)



WHERE TO START?

- use thinking tasks
- frequently form visibly random groups
- use vertical nonpermanent surfaces
- give task early, standing, and verbally
- · defront the classroom
- only answer keep thinking questions
- give check your understanding questions
- be intentionally less helpful
 - use hints and extensions to manage flow
 - consolidate from the bottom
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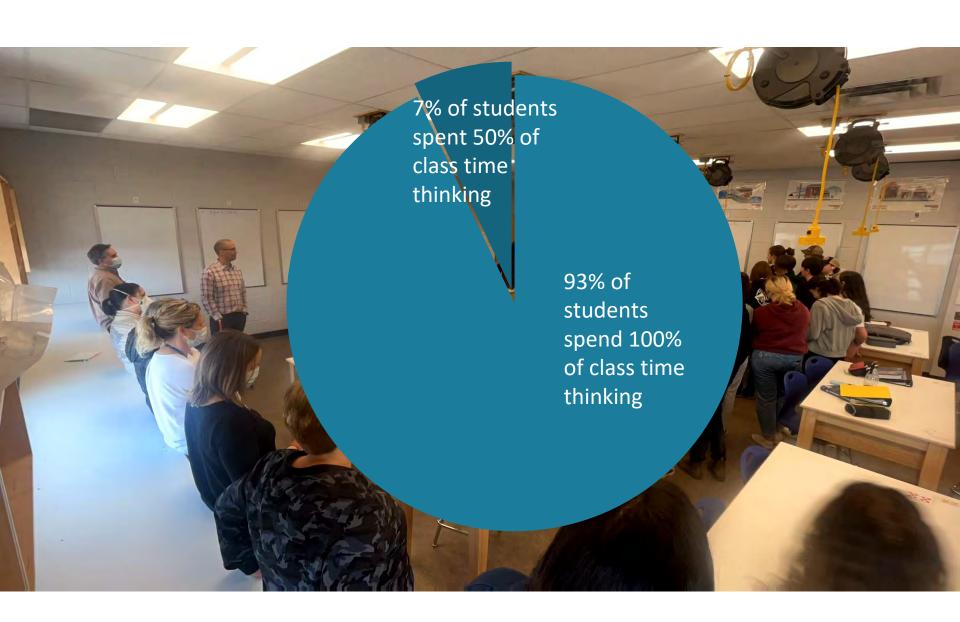
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THANK YOU!



@pgliljedahl | #thinkingclassroom



Building Thinking Classrooms

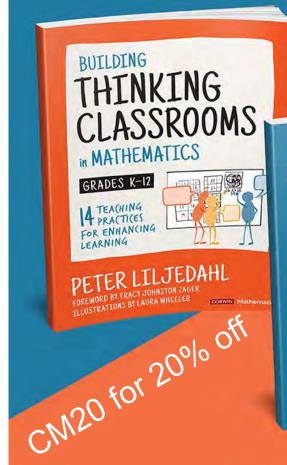


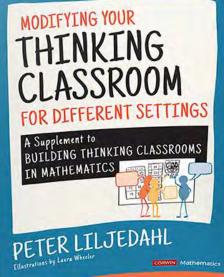
www. buildingthinkingclassrooms.com



https://bit.ly/3qYGtDU







A thinking student is an engaged student

CORWIN Mathematics