

# Pedagogy

# Leadership Away Day 27.8.20



We are planning to record this session – please let me know if that is not ok with you – and please remind me!

Please note – this session will be recorded. Please keep your camera off.

OUR JOB IS NOT TO PREPARE STUDENTS FOR SOMETHING.
OUR JOB IS TO HELP STUDENTS PREPARE THEMSELVES FOR ANYTHING.

- A.J. JULIANI -





# Rest and reflection



# Introductions – role, area of focus



# Strength in number | Collective expertise

First Name	Surname	Academy 2020/21
Jenny	Shaw	Begbrook Primary Academy
Ed	Thomas	Bristol Brunel Academy
Lou	Roscoe	Bristol Brunel Academy
Nicola	Phelps	Bristol Metropolitan Academy
Rachel	Purdell-Lewis	Bristol Metropolitan Academy
Jennifer	Onslow	Broadoak Academy
Ben	Tucker	City Academy Bristol
Alison	Fletcher	CLF Executive Team
Sarah	Lovell	CLF Executive Team
Chris	Baker	CLF Institute
Rachel	Symons	CLF Institute
Siobhan	Cole	Digitech Studio School Bristol
Chris	Barrett	Evergreen Primary Academy
Nikki	Dawson	Frome Vale Academy
Anya	Peyton	Hanham Woods Academy
Linda	Hall	Hanham Woods Academy
Adrian	Esch	Hans Price Academy
Amanda	Morris	John Cabot Academy
Richard	Cormack	John Cabot Academy
Rob	Chomnicki	King's Oak Academy
Sarah	Franklin	King's Oak Academy Acorn
Matthew	Randle	Post 16
Estella	Nelson	Snowdon Village Academy
Sarah	Watts	Snowdon Village Academy
Kirsty	McLeod-Hughes	Summerhill Academy
lan	Garforth	Winterstoke Hundred Academy

- Trust wide approach to PD.
- Academy and whole trust infrastructure to develop best pedagogy.
- Suite of professional learning individually curated, accessible on and beyond the PD platform.
- Every Academy has Director of professional learning in SLT portfolio.
- Every Academy invests in skill-level, specific, teacher PD.
- Every Academy engages in peer networks which generate, share and apply evidence.





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### **Welcome to Nordstrom**

We're glad to have you with our Company. Our number one goal is to provide outstanding customer service. Set both your personal and professional goals high. We have great confidence in your ability to achieve them.

Nordstrom Rules: Rule#1: Use Best Judgment in all situations. There will be no additional rules.

Please feel free to ask your department manager, store manager, or division general manager any questions at any time.





### Education Strategic Plan 2020-21 (Y3/5)

Cabot Learning Federation | Education Executive | Area A





### **CURRICULUM**

- 3-19 CLF Curriculum | Evolve, Enact, Critique and Embed
- Subject Communities | Experts, Guardians and Curators
- Vertical Strands | Progression 3 to 19
- CLF Curriculum on-line | Blended learning
- Recovery Response | supporting re-connection



- Trust-wide assessment | key milestones and standards
- Assessment that informs teaching | responsive planning
- Responsive teaching | assessment informed pedagogy
- Strong transition 3-19 | sticky assessment for progression
- Quality Assurance | ARMs, ARVs and PRs



### **PEDAGOGY**

- Quality of Teaching | PD focus on Pedagogy
- CLF Pedagogy Curriculum | Empowering Professionals
- Seeding a 'CLF Pedagogy' | Delivering Loftier Goals
- Communities of Practice | Teacher Research Groups
- Professional Learning Culture(s) | Tech assisted pedagogy



### EMPOWERMENT (LEADERSHIP)

- Trust-wide Disadvantaged Strategy | 3-year investment
- Senior Leader Empowerment | School Improvement
- Mental Health and Well-being | All children thriving
- Empowering School Improvement Team(s) | Engine Room
- Pupil Parliament | Student/Pupil leadership

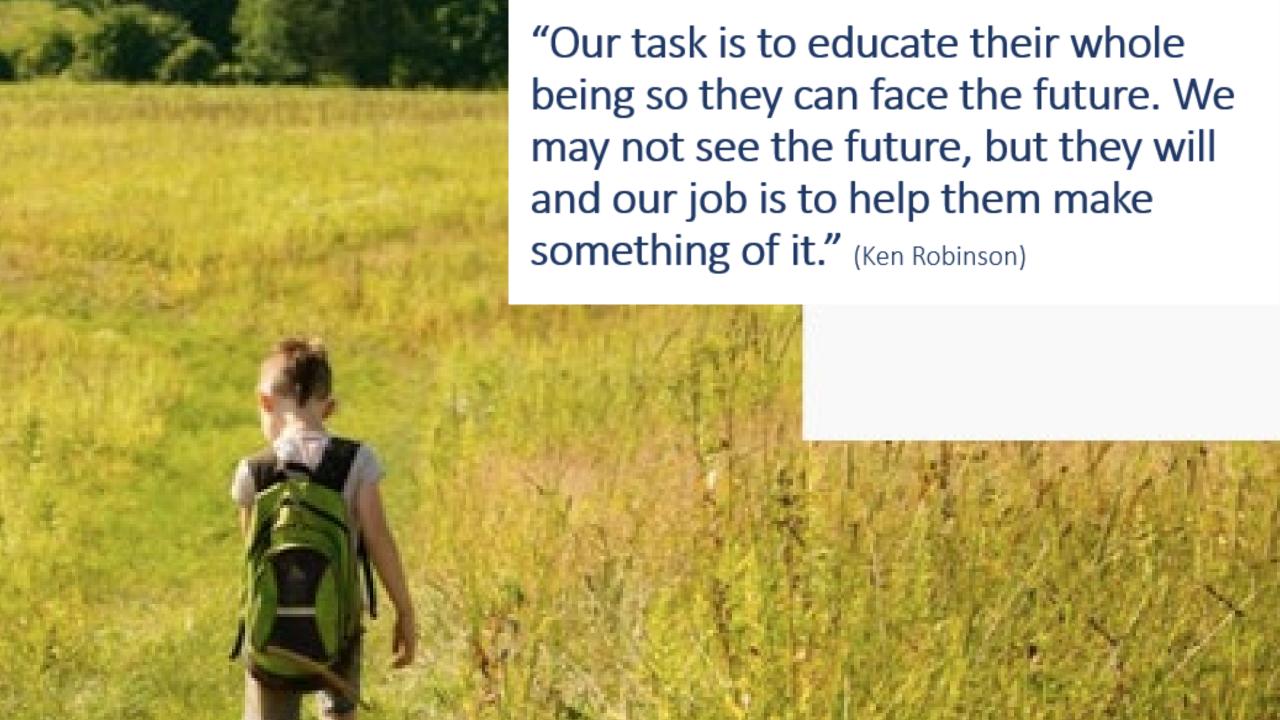
### With Passing Of Education Luminary Sir Ken Robinson, His Call For Creativity Lives On



Brandon Busteed Contributor © Education



# Education luminary Light in the darkness



# Post-pandemic pathway for every child

**Every Child** 

**Every Child** 





# Reasons to feel bright

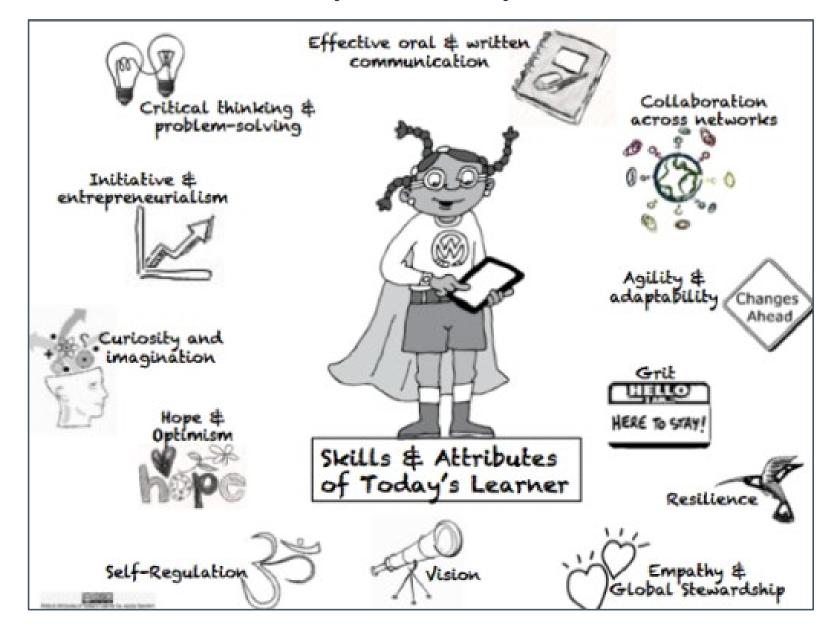
"Those of us who have worked in education for any great length hold an unswerving faith in the ability of young people to shine, as long as they are given the opportunity, and this COVID cohort may well turn out to be one of our finest generations."

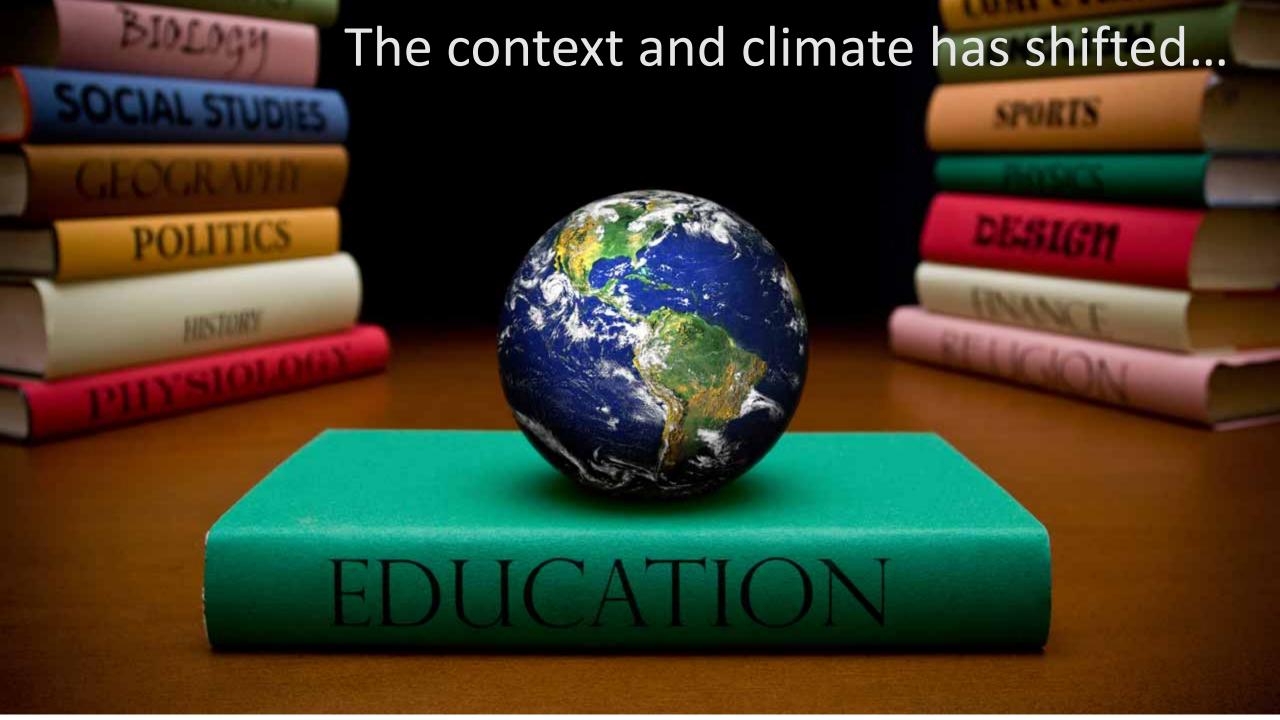


# Live up to expectations | open doors for our children



# 2012 | 2020 | What matters most



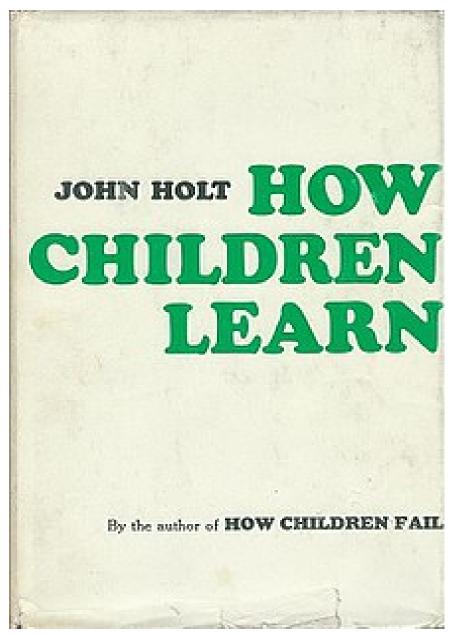


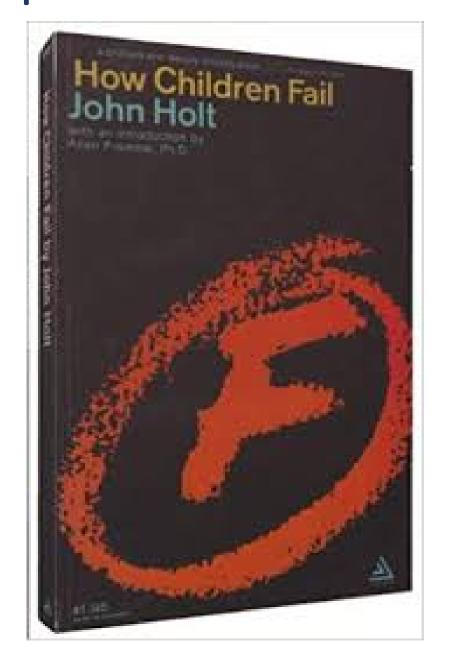




**Self Agency:** the ability to understand, shape, make decisions, control, develop and make things happen in your world that has a positive influence on those you choose to share your life with, personally and professionally.

# 1960 | 2020 | How children thrive





### How children thrive

steadily and often rapidly in the wrong direction. Schools are on the whole bigger than they used to be, more depersonalized, more threatening, more dangerous. What they try to teach is even more fragmented than it was, what Professor Seymour Papert in *Mindstorms* calls "dissociated," i.e., not connected with anything else, and hence meaningless. Teachers have even less to say than they used to about what they teach and how they teach and test it. The schools cling more and more stubbornly to their mistaken idea that education and teaching are industrial processes, to be designed and planned from above in the minutest detail and then imposed on passive teachers and their even more passive students.

### How children thrive

When we better understand the ways, conditions, and spirit in which children do their best learning, and are able to make school into a place where they can use and improve the style of thinking and learning natural to them, we may be able to prevent much of this failure. School may then become a place in which *all* children grow, not just in size, not even in knowledge, but in curiosity, courage, confidence, independence, resourcefulness, resilience, patience, competence, and understanding. To find how best to do this will take us a long time. We may find, in fifty or a hundred years, that all of what we think of as our most up-to-date notions about schools, teaching, and learning are either completely inadequate or outright mistaken. But we will make a big step forward if, by understanding children better, we can undo some of the harm we are now doing.

### How children thrive

This book is more concerned with describing effective learning than explaining it, or giving a theory about it. In many places people are busy trying to find out what goes on in the brain, electrically, chemically, and otherwise, when we think and learn. Such research is interesting and may prove to be useful, but it has nothing to do with the aims of this book. We do not need to learn more about the brain, as an organ, in order to make schools better. We could make them a great deal better, knowing no more about the brain than most people know right now. Thus it is interesting that people should be finding evidence that experiences are stored in the brain, in the shape of complicated molecules, like file cards stored in a file. What teachers and learners need to know is what we have known for some time: first, that vivid, vital, pleasurable experiences are the easiest to remember, and secondly, that memory works best when unforced, that it is not a mule that can be made to walk by beating it. It is interesting to read Wolfgang Kohler's theory, perhaps now held by many others, that electrical fields are set up in the brain when we perceive, think, and feel. This would certainly account for the fact that we think badly, and even perceive badly, or not at all, when we are anxious and afraid. But we don't need the explanation to

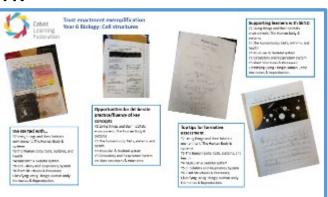
# The whole curriculum | everything | a pedagogical challenge

Anything and everything that teaches a lesson, planned or otherwise. Humans are born learning, thus the learned curriculum actually encompasses a combination of all of the following -- the hidden, null, written, political and societal etc.. Since students learn all the time through exposure and modeled behaviors, this means that they learn important social and emotional lessons from everyone who inhabits a school -- from the janitorial staff, the secretary, the cafeteria workers, their peers, as well as from the deportment, conduct and attitudes expressed and modeled by their teachers. Many educators are unaware of the strong lessons imparted to youth by these everyday contacts."

# Formative assessment in the classroom, responsive teaching

Unpicking what formative assessment means in the classroom to develop a shared understanding of what good formative practice looks like. We will initiate a discussion about what the best protocols are in relation to different curriculum areas to enable teachers to make a *deliberate choice* about what they use and when. This includes developing trust wide enactment exemplifications of sequences of learning with a showcase on the type and kinds of formative assessment that have worked best. These will be developed and written by teachers.

We will take our learning to teachers, subject leader groups, subject communities and to our networks to make it part of the discussion.



# 'If your students have no desire to learn, you are wasting your time' Wiliam, 2018.

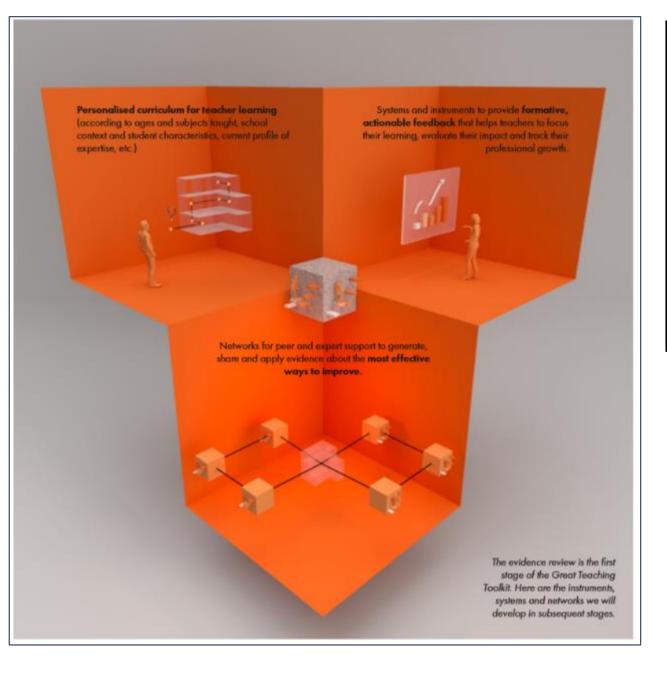
Increasing engagement in learning: We will be looking at ways to ensure children are actively engaged in their own learning, and how we can activate them as learning resources for one another.

We will look at key successful learning behaviours and how to assess a child holistically in order to ensure they develop the key skills and attributes they need to have *agency, in line with the loftier goals* of our

curriculum.







The PD platform gives us the infrastructure to develop personalised curriculum for teacher learning.

Formative and actionable feedback needs to be part of the internal Academy and trust wide routines of ARVs and beyond.

Existing networks strengthen improvements.





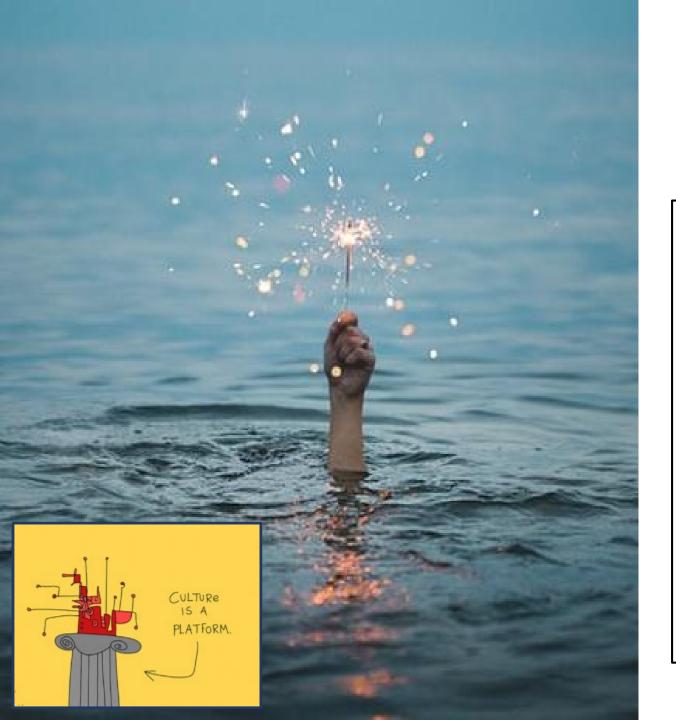
# Eureka time

Children need Eureka time.

Time to ponder, to wonder, to make sense and meaning of things.

Time to grapple, to engage, to form opinions and to <u>change</u> <u>their minds</u>.

Time to make meaning, and develop a sense of self and a sense of place.



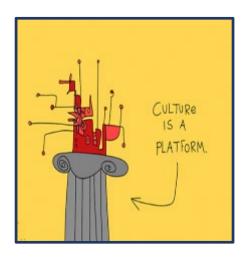
## Archimedes moments

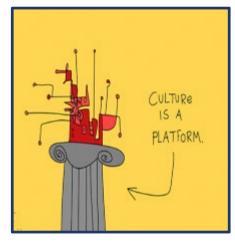
We need to find the bright spots/red dance/exceptional as part of routines.

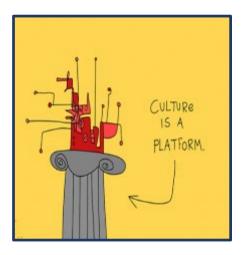
Capture those and play back out to all – far and wide influence and develop pedagogy.

Use the learning to develop the trust wide standard.

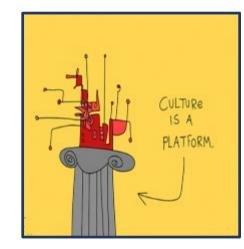
# What are our five pillars?











Evidence in learning – internal and external

No more random acts of teaching/learning

All teachers are empowered to learn | All develop their practice and pedagogy

Learning is irresistible

Culture of empowerment and self-improvement

# WHAT MAKES GREAT TEACHING?



**30 OCTOBER 2014** 



SCHOOLS, TEACHING AND TUITION



ROBERT COE, CESARE ALOISI, STEVE HIGGINS, LEE ELLIOT MAJOR

DOWNLOAD REPORT

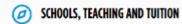




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DOWNLOAD REPORT



### **Developing Teachers**

Improving professional development for teachers January 2015



Review of the underpinning research

Robert Coe. Cesare Aloisi, Steve Higgins and Lee Elliot Majo



### **DEVELOPING TEACHERS**



23 JANUARY 2015



SCHOOLS, TEACHING AND TUITION

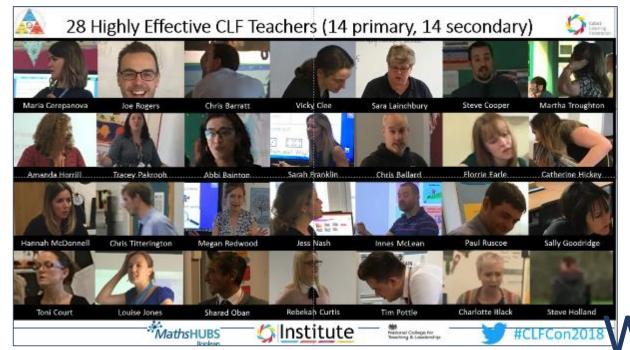


SUTTON TRUST

DOWNLOAD REPORT

Improving social mobility through education





We have created some structure to lessons (which mirrors the best enactment of the National strategies guidance c.20 years previous.)

We have a huge opportunity to re-think Home Learning and Pre-do/over learning via EdTech/distance learning gains.

<u>Ve have some history here...</u>

We don't routinely see any aspect of this cycle.

We see the cycle listed on a series of PowerPoint slides.

We hear children talking about going to the We do section now – which teachers feel is a success and I feel is a downfall.



The point at which curriculum meets pedagogy is key.

Domain specific expertise and excellence needs to be defined and demonstrated.

Subject knowledge enhancement will support learning for all.





# As easy as 1, 2, 3.

And that is all there is to it ...

- 1. Understand research evidence
- Promote evidence-based pedagogy
- 3. Support teacher learning

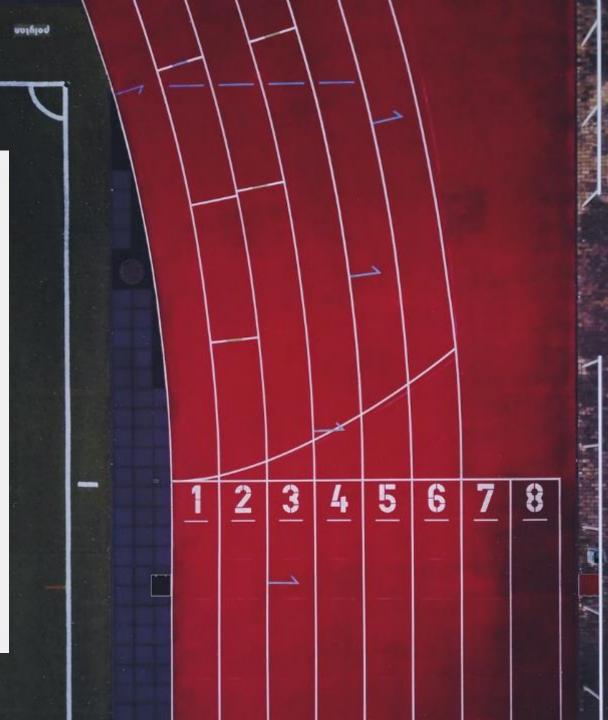
Robert.Coe@cem.dur.ac.uk

University









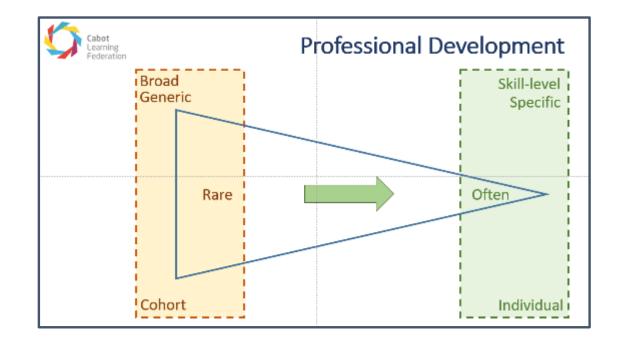
The PD platform and networks enables us to support, influence and extend the quality of professional development.

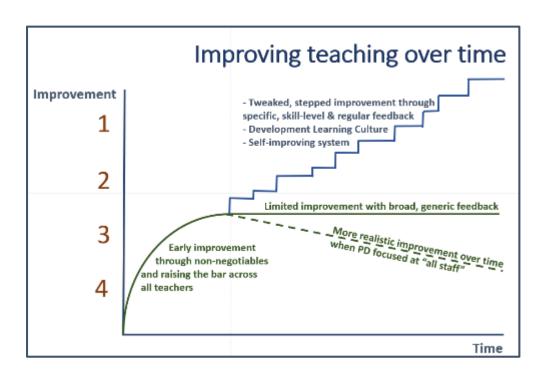
We are able to support teachers to get closer to individual CPD.

The gap is at skill-level, specific and based on their own practice.

### **Learning and Progress**

- Are children realising the promise of the curriculum (intent),
   the loftier goals and making progress?
- Do children make progress in all classes as a consequence of the quality of teaching?
- What are the routines and pedagogical approaches that secure learning and progress over time?
- How do you stretch and challenge children to care, have opinions and deeply engage in the subject?
- What do the books/work tell us about the quality of provision and progress that children make?





If teaching was always only this, we would never achieve our curriculum statement.

This is the stuff of routine, of standard, of checklists. This is not joy-filled alone.

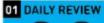
### THE PRINCIPLES OF INSTRUCTION

#### TAKEN FROM THE INTERNATIONAL ACADEMY OF EDUCATION

This poster is from the work of Barak Rosenshine who based these ten principles of instruction and suggested classroom practices on:

- research on how the brain acquires and uses new information.
- research on the classroom practices of those teachers whose students show the highest gains.
- findings from studies that taught learning strategies to students.























02 NEW MATERIAL IN SMALL STEPS

Our working memory is small, only handling a few bits of strengthen the connections of the material learned. Automatic information at once. Avoid its overload - present new material recall frees working memory for problem solving and creativity in small steps and proceed only when first steps are mastered.





The most successul teachers spend more than half the class time lecturing, demonstrating and asking questions. Questions allow the teacher to determine how well the material is learned.

tudents need cognitive support to help them learn how to solve problems. Modelling, worked examples and teacher thinking out loud help clarify the specific steps involved.

#### **05** GUIDE STUDENT PRACTICE



Students need additional time to rephrase, elaborate and summarise new material in order to store it in their long-term nemory. More successful teachers built in more time for this.

#### 06 CHECK STUDENT UNDERSTANDING



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A success rate of around 80% has been found to be optimal. showing students are learning and also being challenged. Better teachers taught in small steps followed by practice.



Scaffolds are temporary supports to assist learning. They can include modelling, teacher thinking aloud, cue cards and checklists. Scaffolds are part of cognitive apprenticeship.

#### 09 INDEPENDENT PRACTICE



process for new material to be recalled automatically. This ensures no overloading of students' working memory.

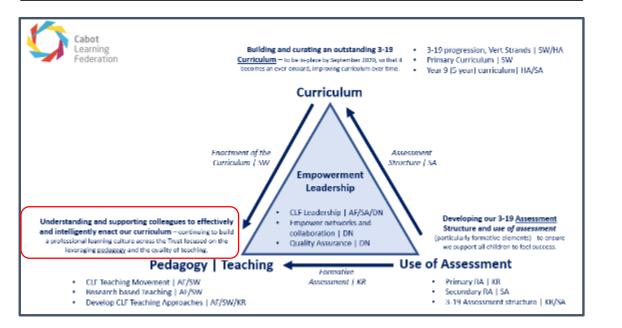
#### 10 WEEKLY & MONTHLY REVIEW



The effort involved in recalling recently-learned material embeds it in long-term memory. And the more this happens the easier it is to connect new material to such prior knowledge Is it time to be clearer and bolder about what we value in learning and teaching. Do we have a responsibility to influence pedagogy?

# Understanding and supporting colleagues to effectively and intelligently enact our curriculum

 continuing to build a professional learning culture across the Trust focused on the leveraging <u>pedagogy</u> and the quality of teaching.



# Attainment gain Learning benefits Learning benefits Learning advantages. They can limit learners' perceptions of themselves. They can encourage teachers to blame a pupil's approach for their learning difficulties. Unexpected finding The psychological evidence does not support their existence!





Teaching tips

- Don't use learning styles approaches.
- Challenge learners to think of the tackle a task.
- · Plan different ways to explain of
- Offer alternative ways of achiev objectives.
- Focus on ensuring variety in tea

  developing metacognition and semiregulation
  instead.

The Bananarama principle



Leadership tips Ban them in your school!

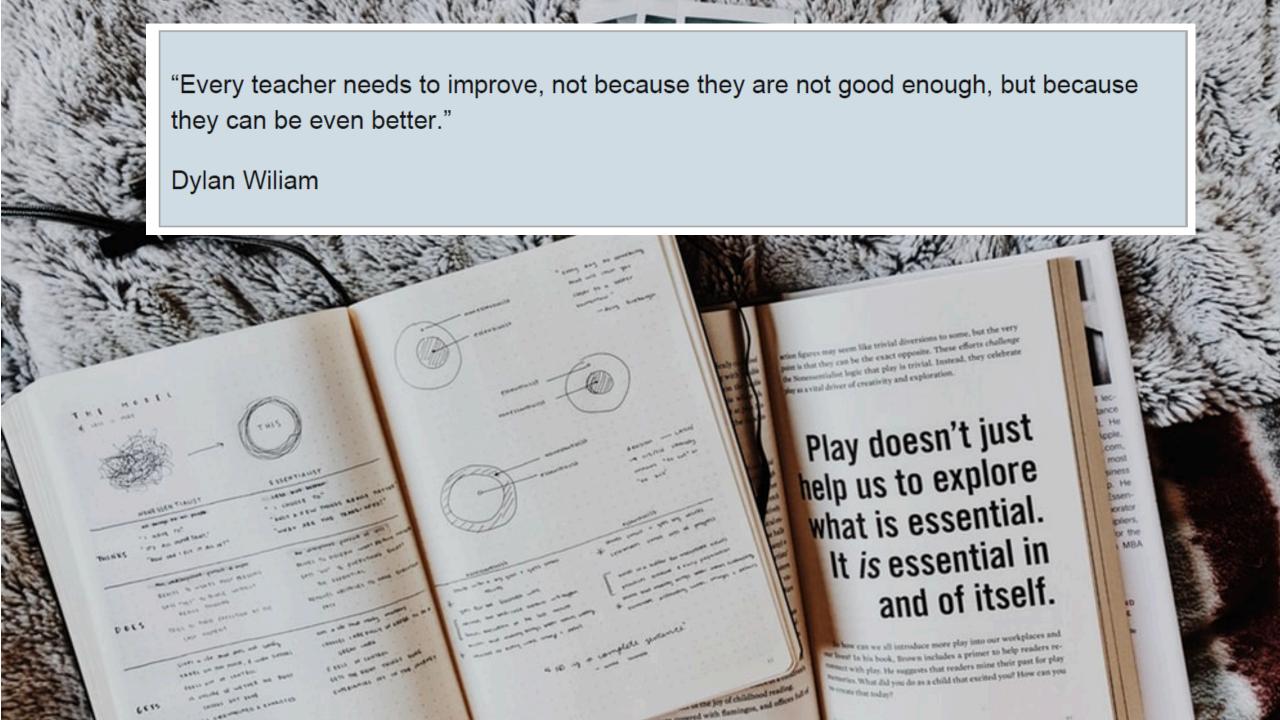


Principles

- Bananarama
- Goldilocks

### WHAT IS IT?

t is intuitively appealing that we each have a preferred approach or favourite way of doing something and that this works best for each of us. Researchers have ound a host of different ways of describing these approaches and even more vays of assessing learners' individual preferences (Willingham et al., 2015).





We need to invest in the three rooms model Develop a trust wide set of pedagogy principles

Commit to supporting all to **develop professionally** 

Be clear about **what we value** and promote this trust wide – trust trials, filmed extracts, PD platform showcase – **exemplification** 

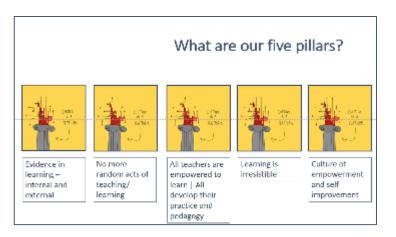
### There are 5 key levers;

PD platform

**PDP** 

Teachers' Standards self-audit networks commitment for and from all

Sustainability in pedagogy





Shared planning principles

Emerging middle leaders

Agility

All teachers getting better and better and better

R&D

**TRGs** 

Seminar series

Publication through conference and beyond Providing access to rich materials.

Ensure opportunity to discuss, debate, provoke opinion.

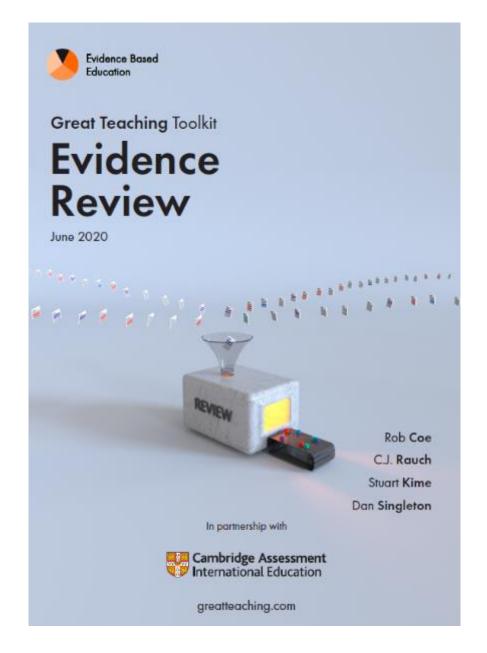
Consider how this informs practice for maximum impact.

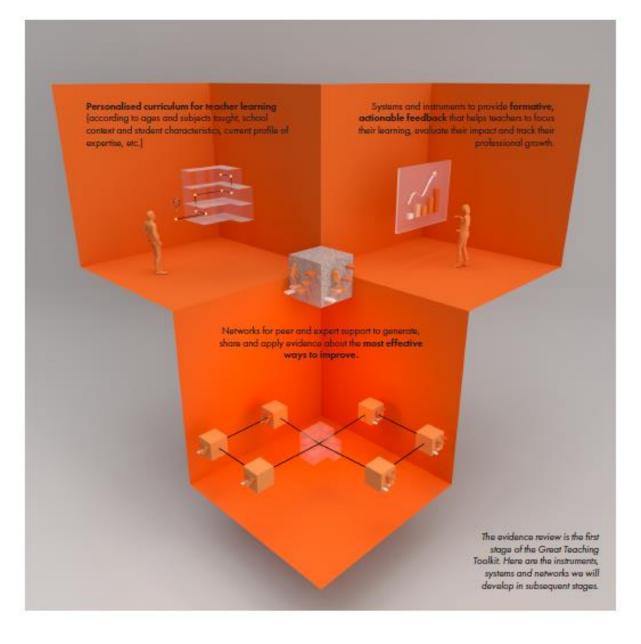




A CLF compendium of research, readings and a range of CPDL opportunities for all to access over time.





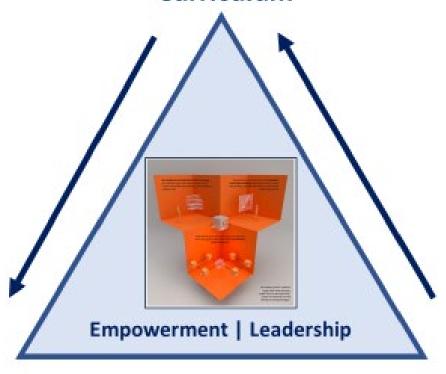


https://www.cambridgeinternational.org/support-and-training-for-schools/teaching-cambridge-at-your-school/great-teaching-toolkit/#:~:text=Professor%20Rob%20Coe%20and%20his,the%20potential%20to%20transform%20learning.



Personalised curriculum for teacher learning | 4 key elements of great teaching

### Curriculum



Networks and peer experts | Generate, share, apply evidence

### Use of Assessment

Formative, actionable feedback | Focus on learning | professional growth

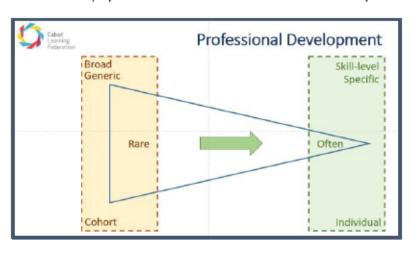
## Pedagogy | Teaching

Insight and Strategy for teachers | Apply evidence – most effective ways to improve If we are to genuinely **Empower Learning**, we need to shine a light on great teaching.

- We need to design a personalised pathway for each teacher.
- We need to engender a culture across the trust of learning, of research and of development.
- Joy-filled learning for all.
- As leaders across the trust we have a responsibility.
- We need to work collectively to develop a shared strategy for CLF Pedagogy that improves the quality of teaching and secures best outcomes for all children.
- We need to work together to define and refine what we value, seeding, spotlighting and propagating CLF pedagogy – bringing brilliant stuff into standard, looping round to secure the best teaching and learning for all.

Every teacher, in every school has the opportunity to become a better teacher, and to continue to improve their practice, day in, day out, year after year.

This has been something we have considered over a number of years, but we haven't, to date, been highly specific or supportive in terms of how leadership teams can develop high quality PD for every teacher. The gap is in the skill-level, specific PD based on teachers' own practice.



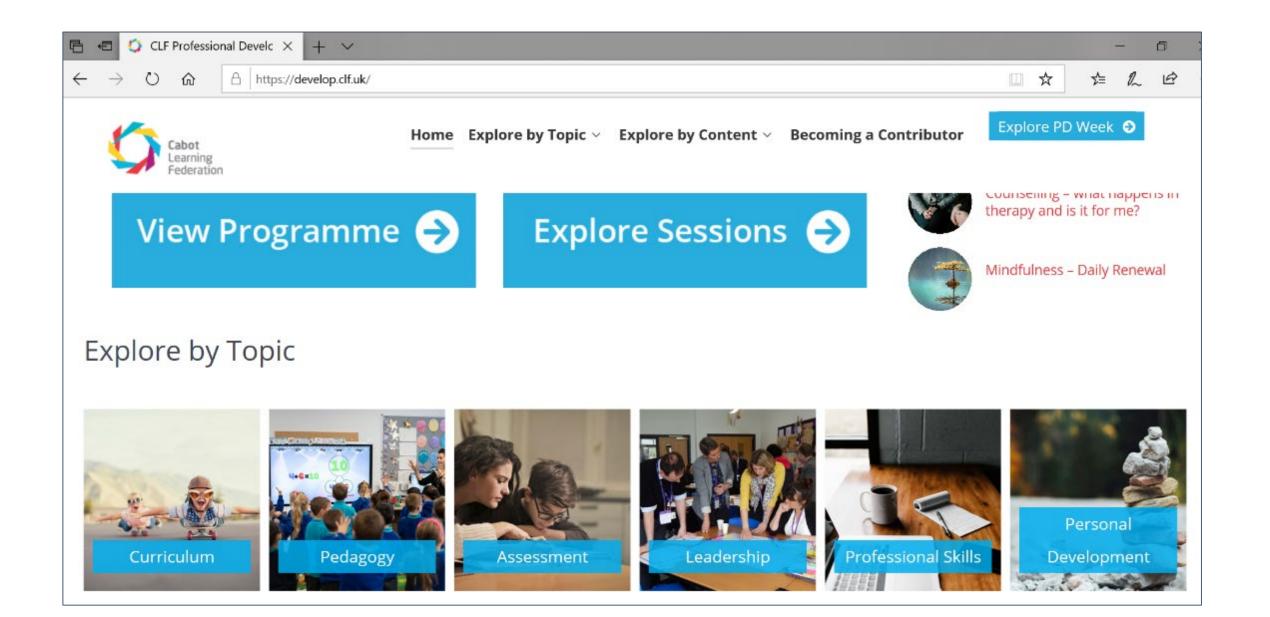
The **PD platform** enables us to support, influence and extend the quality of professional development in our schools.

**Networks of peer to peer expert learning and collaboration** provides the opportunity for teachers to connect with colleagues from across the trust to generate, share ideas, research and experiences and apply evidence-based practice in their phase or subject.

We are now able to support leaders and teachers to **get closer to individual CPD**. The **new PD policy**, with the actionable steps for self-improvement provides the right framework for us to develop a personalised curriculum for every teacher.

As leaders of learning across the trust, we need to create the climate in which teachers can thrive. The support structures that we establish in each of our schools need to allow for teachers from NQT to UPS3 and beyond to thrive, and to have full access to high quality professional development which enables them to gain insight into their own practice, and work with others to observe teaching and learning, to reflect, to dissect the decisions and impact of those decisions, and find the most effective ways to improve.

# | Collective expertise | Becoming a contributor





### Trust wide pedagogy

Teaching that is of most value for all our children | What we choose to invest in Now and for their future



#### Orchestrator

Joy-filled learning for all **Eurela time** Learning which engages and provokes Interactive learning Leasons that encourage children to grapple - the Joy of atruggle Children as agents in their learning



Sevend del berate practice Teaching which takes account of best principles of direct instruction as part of the whole Learning which encourages children to make sense and take meaning from their learning Lessons which privilege children developing self-Sessions which empower learning



High dividends concepts - which are investments for long term learning Judicious assection of content Pedagogy which priorities progressive learning which build conceptual understanding Learning which highlights links within and between subject



Peedback is learning More frequent and more meaningful informs teaching and learning Fart of ongoing formative dialogue Human Interaction Assessment is a spoken not written language Hollatic and qualitative

Facilitator



#### Scientist of learning

**Building connections and scheme** Audicious and prudent selection of content to serve Ideas and concepts that suggest children

Stuff that matters more



#### Philosopher

Learning that connects to passion Children thinking hard about learning Content, concepts and learning that atlicks Teaching that promotes dilemms, conflict and Learning which has human algolfcance

Lessons which move children from almgle to complex ideas and competencies

#6



### Co-constructor

Pegagogy with human connection at forefront Teaching which preferences social aspect of

Learning which maximise role of storytelling. modelling and analogy - which are deaply human and ancoded in hourse learn Learning that is simultaneously personal and



#### Ally in learning for the future

Values underply teaching/pedagogy Empowering learning for all Pedagogy which attacks tregulty and secures excellence for all Teaching that preferences meaning making Learning which supports a new adulthood Opportunity for learners to develop resilience, agility and problem-solving approach

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Daily review is an important component of instruction. It helps

strengthen the connections of the material learned. Automatic

recall frees working memory for problem solving and creativity









Our working memory is small, only handling a few bits of information at once. Avoid its overload — present new material

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#### 03 ASK QUESTIONS



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### 08 SCAFFOLDS FOR DIFFICULT TASKS



Scaffolds are temporary supports to assist learning. They can include modelling, teacher thinking aloud, cue cards and checklists. Scaffolds are part of cognitive apprenticeship.

#### 09 INDEPENDENT PRACTICE



Independent practice produces "overlearning" — a necessary process for new material to be recalled automatically. This ensures no overloading of students' working memory.

### 10 WEEKLY & MONTHLY REVIEW



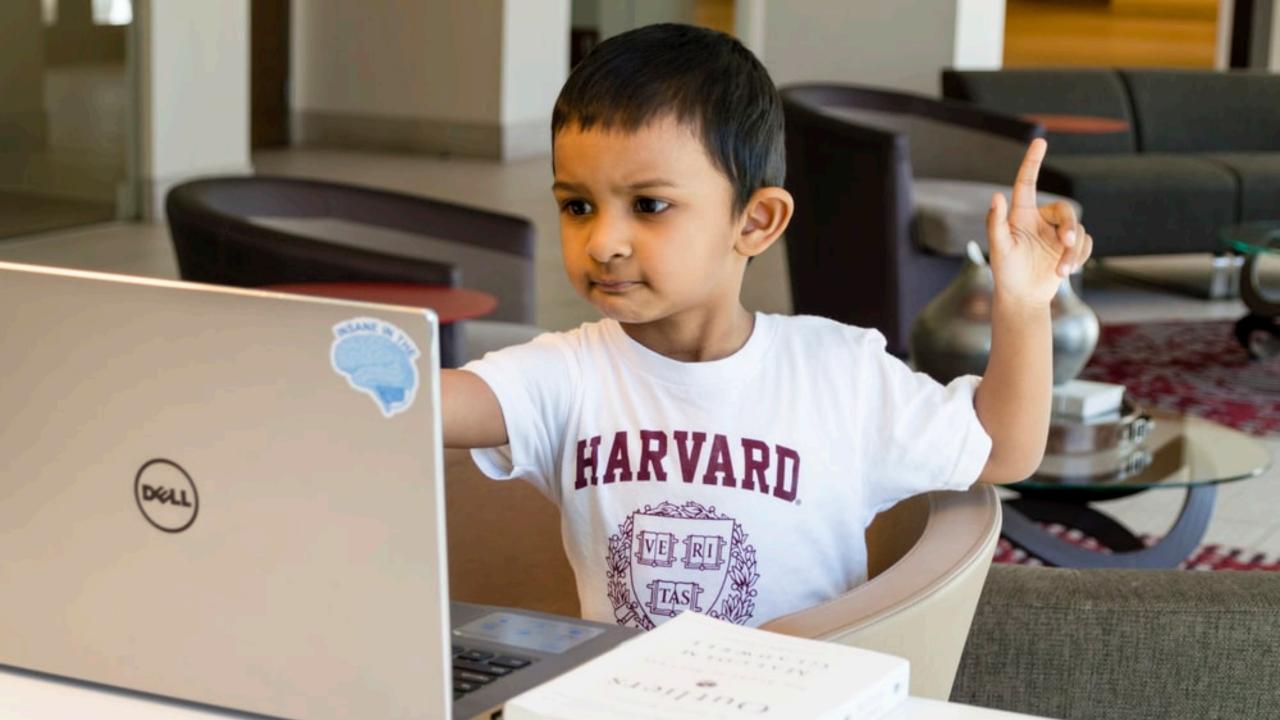


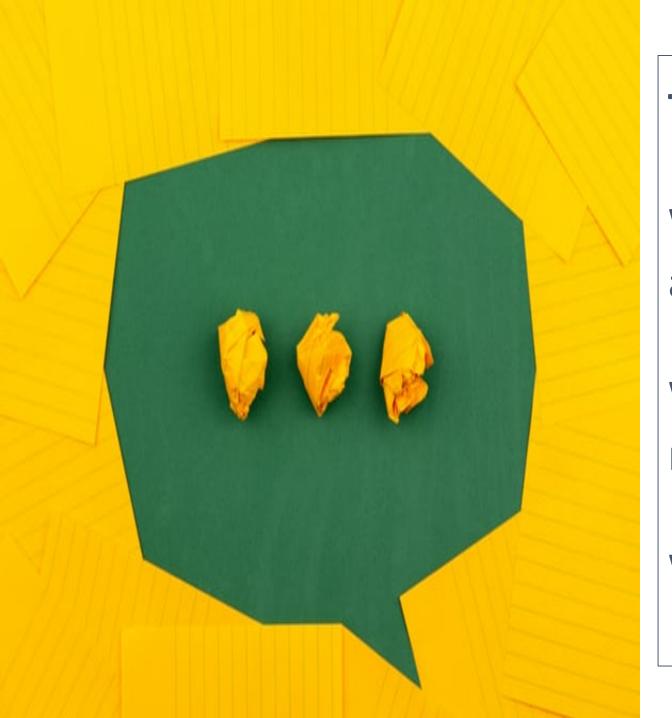






The effort involved in recalling recently-learned material embeds it in long-term memory. And the more this happens, the easier it is to connect new material to such prior knowledge





# Time for discussion

What needs developing, adapting, changing?

What did you think was missing from the piece?

What do you need?



# What ifs?

What are your thoughts?

What else could we think about doing?

Any additional ideas?

# **Next steps**

How will you take this forward in your Academy.

How close are you in role to Director of Professional Learning.

What do you need from the trust?