



Enhancing Cognition in your School

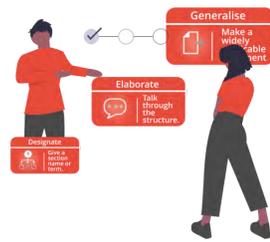
Collaboration and Partnership Opportunities

Paul Main

Develop the Cognitive Capability of Your Learners

Our products and services help teachers dig deeper into the science of learning and the implications this has on pupil outcomes. The following tools and professional learning activities have been proven to promote educational outcomes such as literacy and creativity.

Rethinking cognition and learning



Staff Professional Development Workshops
Getting ready to implement the concepts

- Literacy (Writing and Comprehension)
- Metacognition
- Memory and Meaning

Curriculum Planning and Strategy

The Universal Thinking Framework is a taxonomy of the cognitive processes that make learning happen.



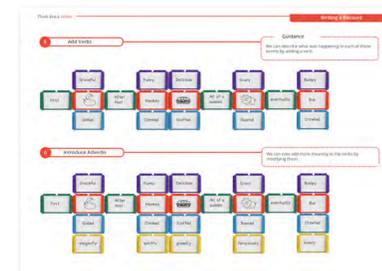
Scaffolding deeper learning



Thinking Toolkits
The brick building kits scaffold the cognitive functions that makes learning happen.



Lesson Plans, Resources and Strategy
Bespoke plans and Printable Cards.



Monitoring and understanding Cognition



Staff Research and Development Projects
Frameworks to monitor outcomes and support for staff facilitating action research projects.



Badges and Rewards

A unique badging system that helps learners understand when they have demonstrated a specific behaviour or cognitive ability.

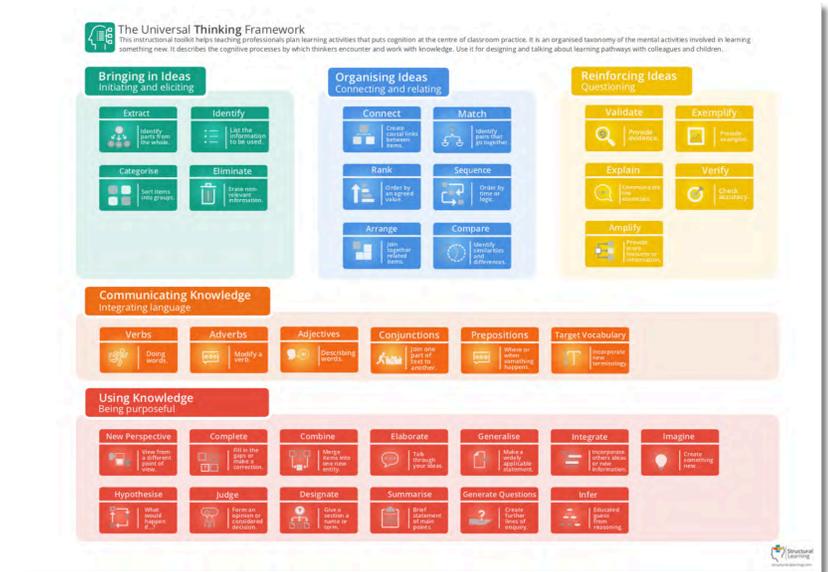


Rethinking Cognition and Learning

Getting to grips with the Universal Thinking Framework

We have developed a new taxonomy specifically for teaching professionals. The framework acts as an instructional design tool for staff and a mental 'Sat-Nav' for the child.

- Strategic support embedding the Universal Thinking Framework and brick building kits across your curriculum.
- Small group, departmental and individual coaching.
- Thematic workshops on fields such as: Critical Thinking, Metacognition and Literacy.



How does this help improve outcomes?



The framework helps staff design effective thinking processes for their class.



The Research into practice program helps staff unpick classroom challenges and develop purposeful solutions.



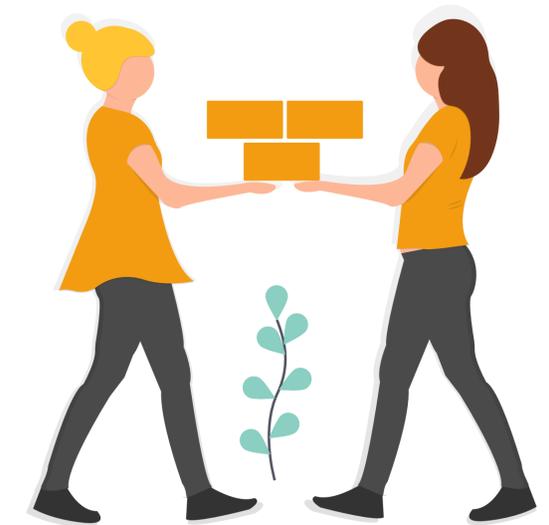
The observational scales measure the impact of the interventions.

Scaffolding Deeper Learning

How can we use the brick-building kits?

Support the executive functioning needed for effective learning with the classroom kits. The methodology helps pupils break down tasks into bite-size chunks making tasks engaging and manageable.

- Cross-Curricula thinking toolkits that make cognition visual and social.
- Subject ideas across English, Science, Maths and Humanities.
- Access to collaboration opportunities with other schools.



How does this help improve outcomes?



Make the curriculum accessible.



Develop the critical thinking and creative expression needed for effective writing.



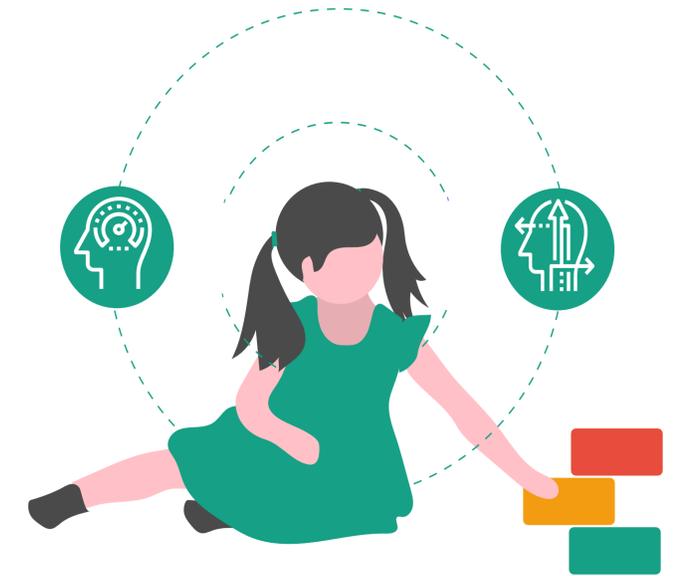
Enhance subject comprehension.

Monitoring and Rewarding Cognition

How do we know what the impact has been?

Understanding the impact our strategies are having will help us make better judgements. As the project moves forward, your staff will be in a position to share their insights with both learners and colleagues.

- Get 'under the hood' of the mysterious process of learning using the observation scales.
- Make learning for staff a purposeful and sustained process.
- Celebrate the outcomes with your learners in a child friendly way.



How does this help improve outcomes?



Dig deeper into 'how' your pupils are learning.



Put research into action and develop new theories of how children are learning.



Reward children with badges when they demonstrate essential academic and life skills.

What have other schools done?

We want to make sure that your school really gets the most out of this approach. In order to be successful there does need to be a commitment in your staff's professional learning in order to equip them with the knowledge they deserve. We'll make sure you have everything you need to get going. Here's how three other school systems have engaged with us.

Rural Primary School in Cheshire



Staff Professional Development

- Two hour launch session.
- Four additional lesson study twilight sessions spent looking at the curriculum, cognitive science and research projects.

Investment in Resources



x 6



x 6



Multi Academy Trust of Five Primary Schools (R&D Project)



Staff Professional Development

- Collaborative launch session.
- Two classroom support days per school.
- Four collaborative half-day meetings with champions.
- One celebration event.

Investment in Resources per school



x 12



x 12



International School



Staff Professional Development

- One week residency in school supporting staff and children to adopt the toolkits and strategies.
- After school department meetings.
- Remote support for school leadership team.

Investment in Resources



x 44



x 52



How did we work together?

“The use of Structural Learning Blocks is an example of the type of activity that supports students to develop HPL characteristics. Students have been using the blocks to plan essays, recording their key ideas onto miniature whiteboards which they then attach to the blocks, which helps students to plan, to swap ideas and collaborate to organise their thinking. They then organise them into paragraphs and use the structures to help them to write.

The blocks encourage students to see knowledge not as distinct, but as evidence that can be linked together to form developed arguments. They can easily change their ideas on the whiteboards, so are more willing to take risks and worry less about being incorrect.

As teachers, we can easily check their understanding by reviewing their models. Many of the students have commented how the physical, creative and collaborative nature of the blocks has helped their understanding and we are seeing their benefit in supporting the learning of both high-achieving students who are sometimes averse to taking risks and also those who find writing essay plans to be difficult.”

Dr Andrew Flint
HPL's inaugural Global Lead Teacher
St Mary's School Cambridge



Organised Thinking = Better Learning

How are we working together?

Bygrove Primary School provides outstanding teacher training in Tower Hamlets. Ben Sperring, the director of the teaching school, coordinates the professional learning schedule for his staff. He saw an opportunity to utilise our 'Research into Practice' project to engage his staff in evidence informed pedagogy. With Ofsted's changes to the teacher training core framework, we also saw a compelling need to bring cognitive science to trainees on the SCITT program.

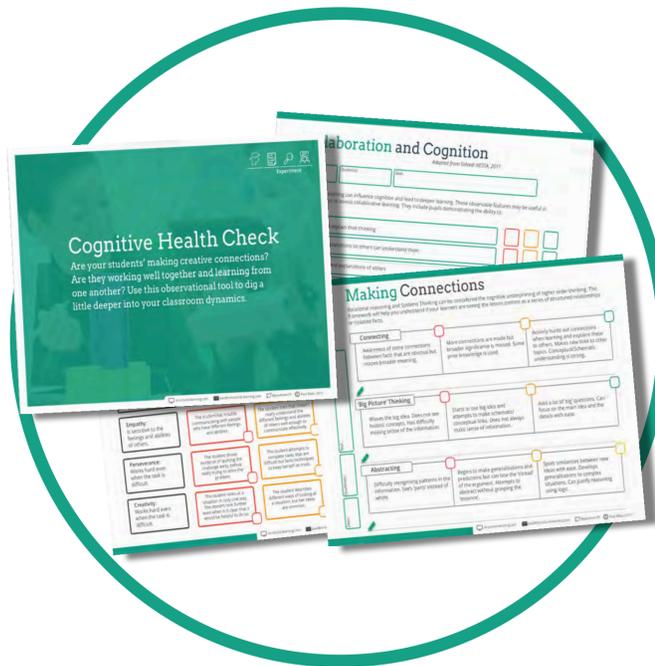
- Specialist Cognitive Science input on the SCITT program.
- A Research and Development program for teachers within the Multi-Academy Trust.



What does this look like?



Professional Learning 'Journey' for staff at the Trust Schools delivered in twilight sessions.



Resources to help teaching staff conduct classroom experiments.



Department
for Education

Unpicking the new initial teacher training framework and developing activities that meet the SCITT needs.

How are we working together?

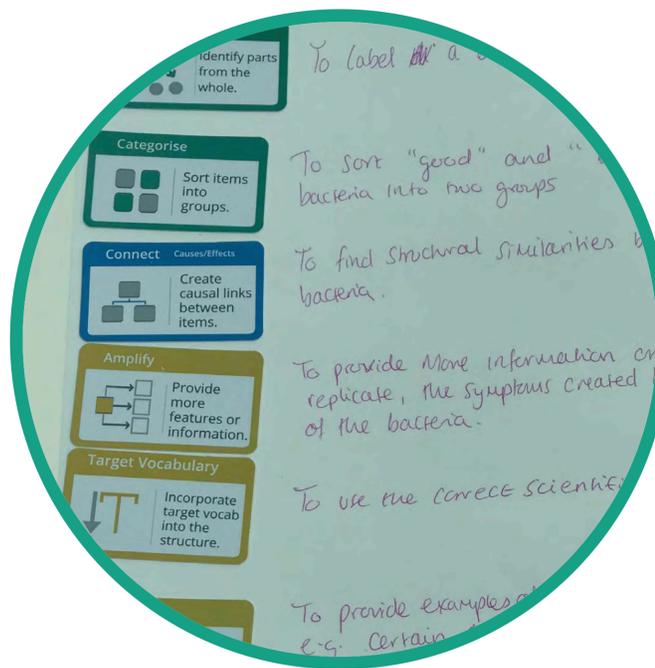
The Anglian Gateway Teaching School Alliance is a network of cross-phase schools in Cambridgeshire & Suffolk providing bespoke support & outstanding CPD. Phil Burgess, the teaching school director, wanted to engage their members in evidence based practice. Alongside the Chartered College of Teaching and the local EEF Research School, we have begun delivering a range of projects that are helping staff embrace cognitive science.

- A Research and Development program for teachers to adopt evidence in the classroom.
- Specialist events for the local education community.
- Resources and advice for trainee teachers on the SCITT program.

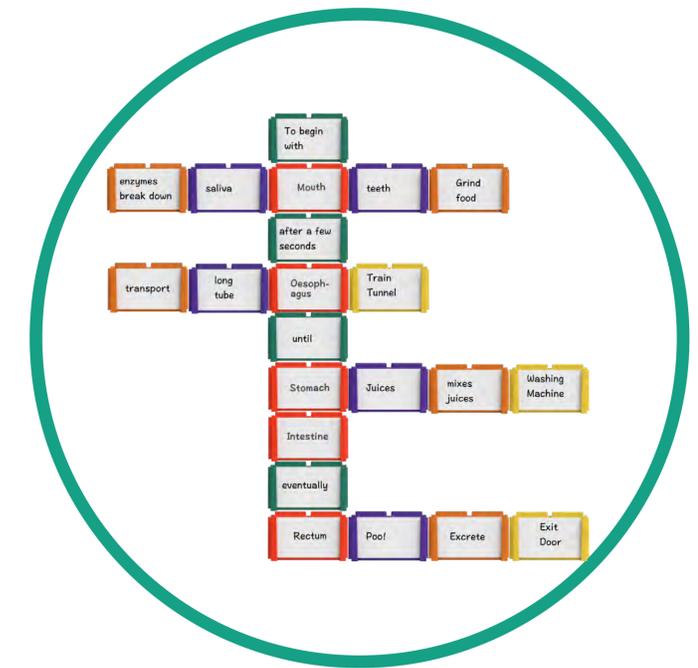
What does this look like?



Workshops on Metacognition and Critical Thinking.



Planning for Deeper Thinking in the SCITT program.



Utilising the Thinking Toolkits across Bottisham Village College.



What's Next?

Hopefully you are now interested in working together and can see the benefits of these ideas for your school community.

Here's what to do next.

Do this now

Book a webinar for your staff
[Click anywhere here]

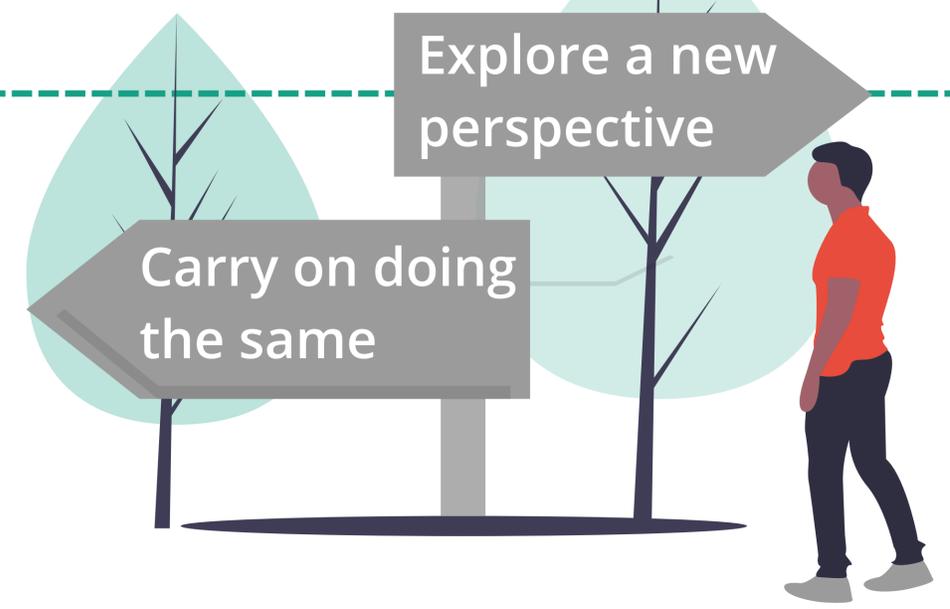
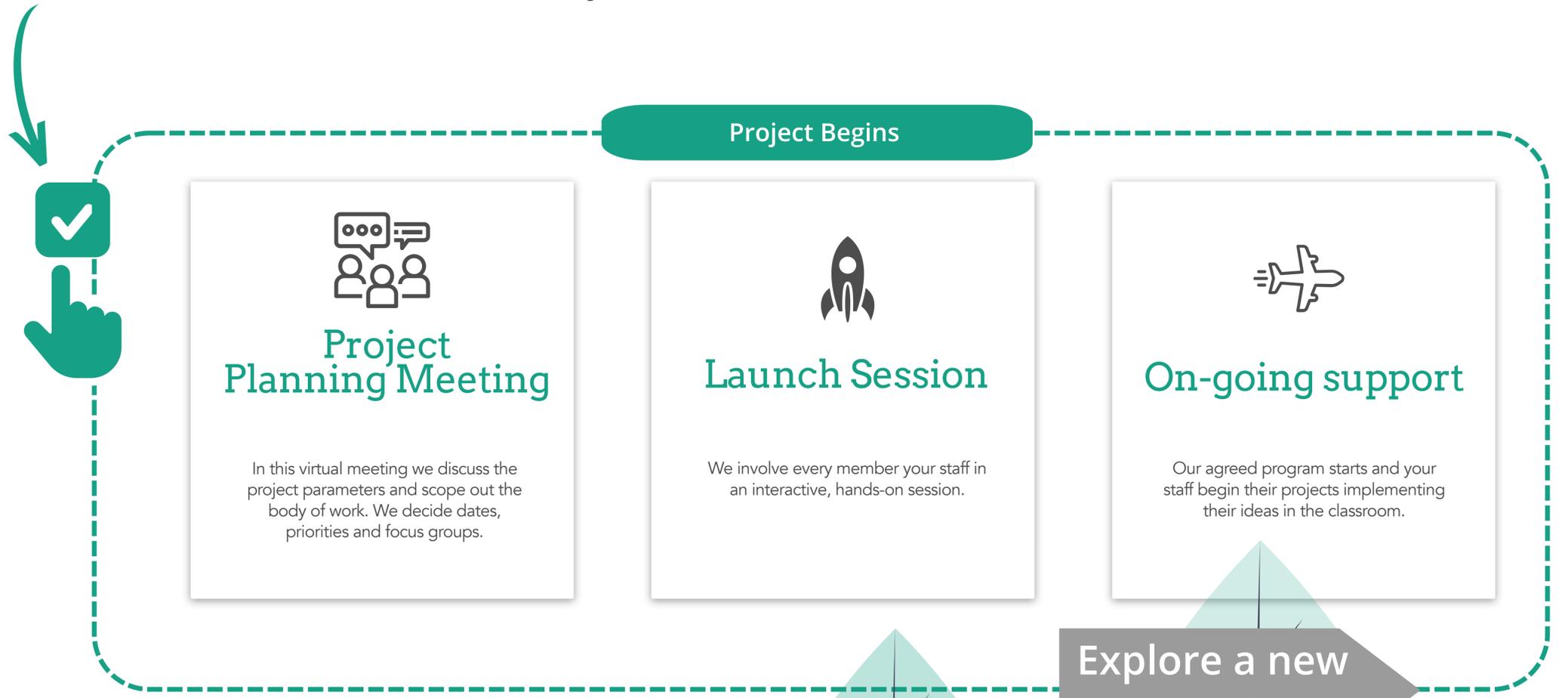


Have a closer look at the concept and ask some questions in a **FREE** webinar.

We will facilitate a 30 minute session for a group of staff at your school. Click anywhere on this box.

Contact Paul Main:
paul@structural-learning.com

Make an informed decision once you know more



“ If you wait until you're ready, you'll wait forever. Will Rogers