

Learn-AT Curriculum and Pedagogy Framework 2019/20

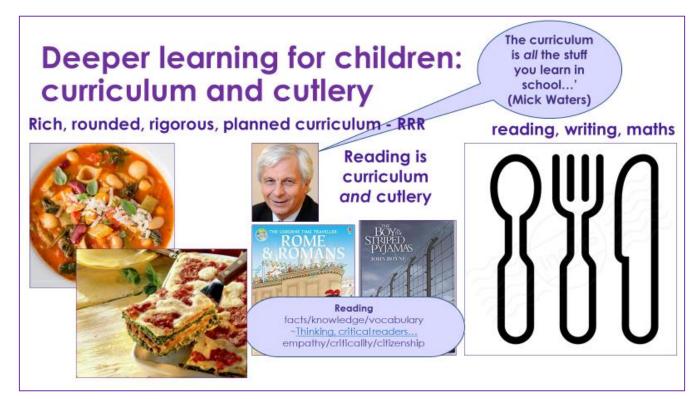


Introduction

The Learn-AT Curriculum Framework is a work in progress. The Trust convened a working group (the Curriculum and Pedagogy Group - CPG) to investigate primary curriculum design during 2017/18. This document represents the CPG's work since then and outlines the Learn-AT vision for a research -informed, coherent curriculum founded on shared values and principles. Our intention is to provide clear guidance for Learn-AT schools which will ensure equity and excellence. The framework provides a common curriculum design template from which schools can plan coherent sequences of learning to meet the needs of their pupils, secure deep learning and introduce them to knowledge beyond their experience. This collaborative project is now in its third year. During Phase One (2017/18), CPG engaged with a wide range of curriculum research literature, considered vision and principles and set the curriculum approach within a pedagogical context. Phase Two in 2018/19, saw CPG members and Learn-AT subject leaders working together to develop curriculum maps for each subject within eight primary curriculum domains (Alexander 2009). Phase Three, this year, involves curriculum leaders in schools, working together, sharing subject specialist and curriculum design expertise, to develop precise, detailed and coherent programmes of study for each curriculum subject. This year, too, CPG has shifted it focus from KS1 and KS2, to consider the principles of curriculum design in EYFS.

Curriculum and Cutlery

We began the project with a strong conviction that we wanted to develop a curriculum for our pupils which was rich, rounded and rigorous – like a rich minestrone soup, full of food for the intellect and food for the soul. Reading, writing and maths as the essential 'cutlery' needed by pupils to access the curriculum completed the metaphor. As the work of CPG has progressed, the soup has transformed from unstructured pottage into a dish that more resembles a lasagne – more carefully planned, with a coherent structure, layers and carefully-planned cross curricular links, vertical – through subject and years, horizontal between subjects within years and diagonal, between subjects in one year and different subjects in another.



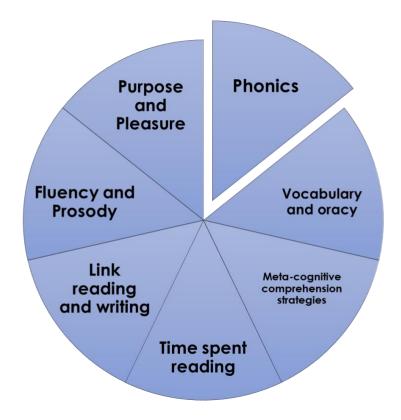


The Fundamental Importance of Reading

Reading is fundamentally important. **Reading is both curriculum and cutlery.** We expect all leaders and teachers to implement a research-informed approach to the teaching of reading. All schools implement a programme of systematic synthetic phonics, with fidelity, to teach early reading. Reading for pleasure pedagogies are employed to promote a school-wide reading culture and a love of reading for all pupils

(https://researchrichpedagogies.org/research/theme/reading-for-pleasure-pedagogy).

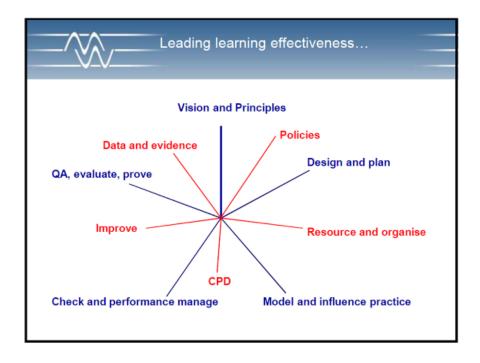
This diagram summarises the key elements of the reading curriculum in Learn-AT schools:





The Process of Curriculum Design

Three members of CPG participated in Whole Education's Leading and Managing Curriculum Change project. This provided support and facilitation for the group's curriculum design work. At the beginning of the project, Mick Waters provided an organisational structure for the curriculum design process as follows:



We developed a shared vision and agreed underpinning principles. This document represents the policy so far. The project has been implemented in four phases:

- 2017/18 Phase 1: Research and reading, leading to the development of an overarching framework of curriculum design and pedagogical principles
- 2018/19 Phase 2: Develop framework principles for each curriculum subject
- 2019/20 Phase 3: work collaboratively with curriculum and subject leads across the trust to
 agree precise, detailed and coherent programmes of study, and sequences of learning for
 each subject contextualised to each school's context. This is our curriculum intent. Review
 the Learn-AT Assessment Framework to secure high-quality assessment in all subjects and to
 ensure effective evaluation of the impact of our curriculum implementation.
- 2020 onwards Phase 4: Develop high quality, subject-specific professional learning and development for teachers

We are working to achieve the effective implementation of a research-informed, rich, rounded, rigorous and *coherent* curriculum, developed through professional collaboration and which achieves our mission and aims for the benefit of all Learn-AT pupils.



Curriculum Literature

Members of CPG have read and discussed and wide range of curriculum and pedagogy-related literature, including the following authors:

Academics, policy-makers, writers and researchers:

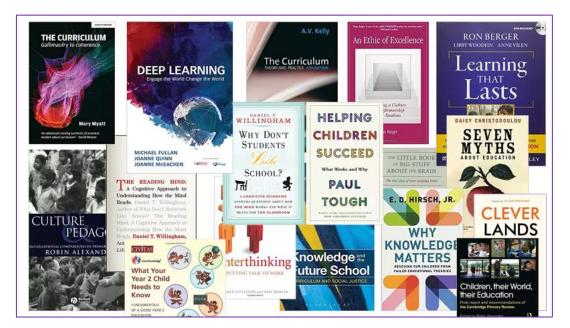
Professor Michael Young; Andreas Schleicher; Daisy Christodoulou; E. D Hirsch; Dylan Wiliam; Michael Fullan and Joanne Quinn; Ron Berger; Professor Robin Alexander; Daniel Willingham; Kirschner, Sweller and Clark; Sfard; Didau and Rose; Curran and Gilbert; Lucy Crehan; Mary Myatt

Bloggers:

Christine Counsell; Clare Sealy; Jon Brunskill; Daniel Willingham; Doug Lemov; Rob Carpenter; Mary Myatt

In addition to taking part in the Whole Education LMCC project, we have visited and trawled the websites of schools both praised by Ofsted and recommended by Whole Education for their curricula. We have made use of the resources provided by the Core Knowledge Foundation and the Cambridge Primary Curriculum Review.

A Selection of CPG Curriculum Reading



This Big Picture of the Learn-AT Curriculum is a key outcome of our learning and discussions:



	Learn-AT C	urriculum – Big Picture				
What are we try	/ing to achieve?					
Mission	Every child flourishes and enjoys	learning with access to a rich, rounded, rig	orous and coherent curriculum			
Aims	Successful, engaged learners who enjoy learning and who are knowledgeable and skilled, make progress and achieve	Confident, articulate individuals, who can lead safe, healthy and fulfilling lives	Responsible citizens who can make a positive contribution to society			
Core trust values		Learning and fellowship				
Intrinsic values	Christian values, British values and all those	essential values common to good, kind and	d tolerant people of all faiths and no faith			
RRR: a rich, rounded and rigorous curriculumCore knowledge and understanding e.g. excellent general, subject, social and cultural knowledge,Skills and competencesAttitudes, attributes and disposition e.g. determined, adaptable, confid- personal, social, emotional, learning and 						

What does the o	curriculum	conte	ain?										
Mastery of Core Skills and Domain Knowledge	Domain Knov Cultural Subject knowledg (Curriculum) General	Ũ	comp	Vocabulary ading and listo prehension, wi nunication an	ening itten		nension m content – id non-fiction essential skill ports the vocabulary	Dome e.g. Mu Compu Design PE and etc	ting,	Ma fac Cur pho gra acc Dec PHO		Eluency in basic skills Maths: number - acts/operations Cursive handwriting, honics for spelling, rammar, technical accuracy Decoding for reading – HONICS ocial skills	
Domains of Learning EYFS/KS1/KS2	Faith and Belief	Mathe	matics	Science c Technolo		Citizenship and Ethics	Place and Time		Arts and Creativity	Langu Oracy Liter	y and Emotional		
Deeper Learning - core competencies	Critical thinking problem-solvir		Commu	inication		ativity and agination	Charac Educat		Citize	enship	C	Collaboration	
Foundational and universal competency													
Bottom line		Unconditional positive regard and well-being											

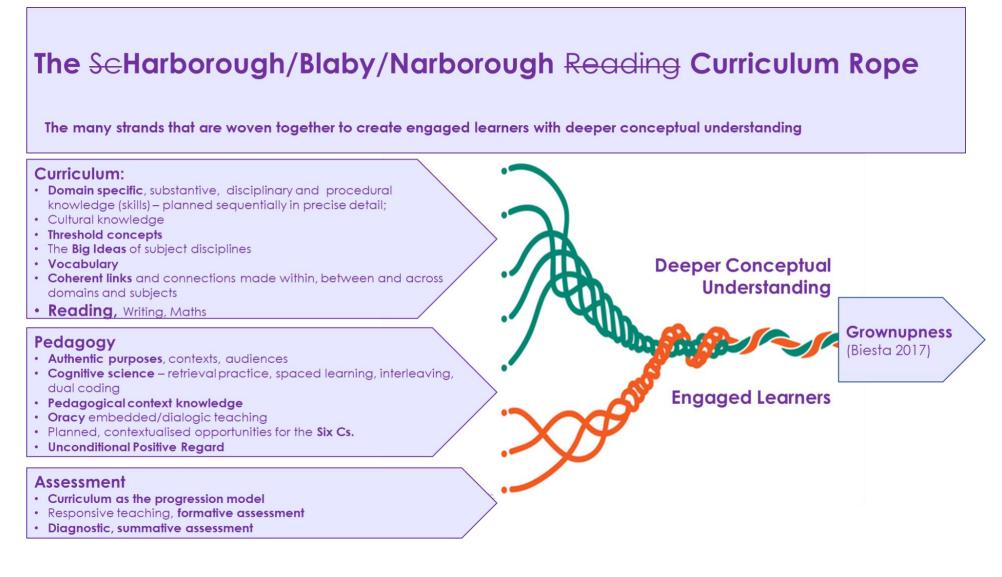
How do we	How do we organise learning?											
The curriculum as the entire planned learning experience, underpinned by the schools core values and mission												
Components	Environment	Events	Extended hours	Learning outside the classroom	Lessons	Locations	Routines	Ethos				

How is the curriculum delivered?										
Pedagogical approaches to teaching and learning	Equity • Equity and equality of opportunity, entitlement and experience • Consistently high expectations, quality and standards for all Learn-AT pupils • A mastery curriculum • Excellence in SEND provision	Evidence Research-informed pedagogies: • Formative assessment strategies embedded in teaching and learning • Use of evidence from cognitive science research – e.g. importance of metacognition and self-regulation • Balance of direct instruction and inquiry • Strong self-evaluation	 Engagement Authentic purposes and contexts for learning – Berger 2006 Emphasis on first-hand experience Purposeful, structured play in the early years; drama, strong emphasis on outdoor learning, sport and the Arts. Pupil agency, autonomy and choice Cross-curricular connections 							

How well are w	ve doing?										
Securing effective learning and teaching so that learners understand quality and how to improve											
Evaluating Impact	Looks at the Use whole child, assess e.g. progress in informa knowledge, intelliger understanding identify t and skills, and clea attitudes, for attributes and improve	nent friends to ation insights c atly to challeng rends r goals	offer	Uses a wide range of measures – qualitative and quantitative	Creates a continuous improvement cycle	of te to co c	a variety echniques ollect and analyse ormation	prir eff forma sum	nploys ncipled, fective ative and nmative essment	Involves the whole school community: learners, parents, teachers, employers and governors.	
			to	secure							
Accountability measures	High standards of achievement – attainment and progress.	Good behavio attendanc		Civic par	ticipation	Нес	althy lifestyles Sustained involveme in education				
				and							
Aims	Successful, engage who are knowledgeab learning, make progres	e, skilled, enjoy		Confident, articu can lead safe, l live	healthy and fulf		who m	Responsible citizens who make a positive contribution to society			



This slide illustrates the complex strands which weave together to create a rich, rigorous and coherent curriculum that prepares children for grown-up-ness (Biesta 2017):



Learn-A

The Mission

Every child flourishes with access to a rich, rounded, rigorous and well-planned curriculum.

Aims

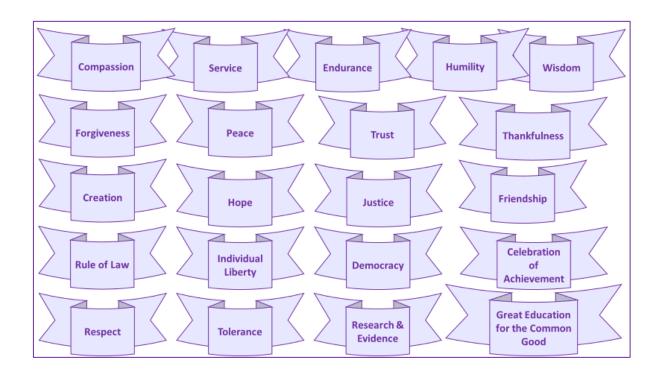
- Successful, engaged learners who are knowledgeable, skilled, enjoy learning, make progress and achieve
- Confident, articulate individuals who can lead safe, healthy and fulfilling lives
- Responsible citizens who make a positive contribution to society

Under-pinned by values

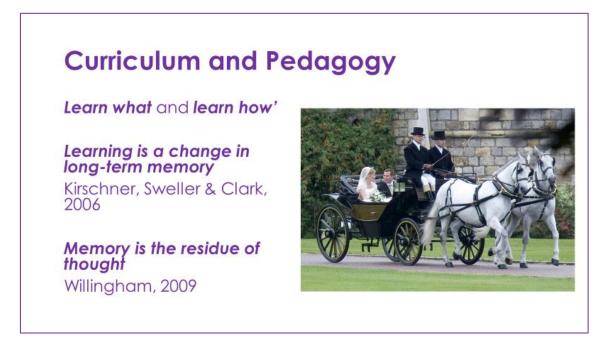
The Learn-AT core purpose of Learning and core value of Fellowship

and

values taken from Christian, Humanist and British cultural traditions:



Curriculum and Pedagogy



During our deliberations, we have found it impossible to divorce consideration of curriculum from discussion of pedagogy. Dylan Wiliam says that curriculum at the achieved level *is* pedagogy (2016). They are intrinsically linked. Learning can be defined as a change in the long-term memory and memory as the residue of thought (Sweller et al, 2006; Willingham, 2009). This means that we must design a curriculum that provides pupils with comprehensive and foundational knowledge but ensure that it is taught in such a way that secures that knowledge in long-term memory. In this way it can be used to support the development of skills, built on and applied later. To do that we need to make sure pupils think deeply about their learning. Superficial curriculum 'delivery' is not enough. Our pupils deserve deep learning.

This poster summarises and synthesises some recent research relating to the nature of learning (McRea, Caviglioli 2018):



Learning

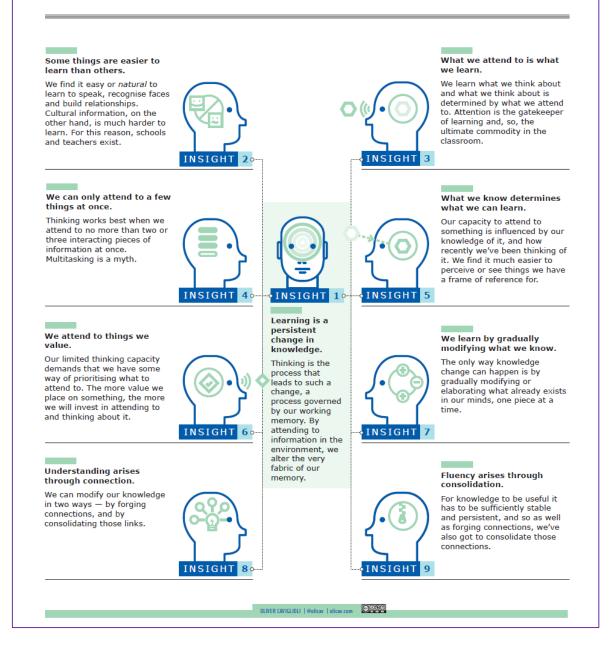
What is it, and how can we catalyse it?

out as humans is our capacity to cumulatively learn from our

predecessors.

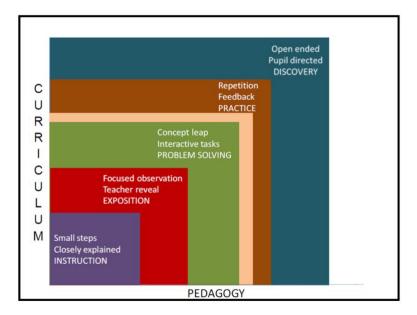
Learning is important. It is the mechanism that enables us to adapt to our environment, to survive and succeed in the world. All life learns in one form or another. What marks us

Over time, the amount of information we have a responsibility to pass on to the next generation has grown. Some of this is quick and easy to learn naturally, but much is not. As a result, we have created organisations and processes dedicated to this endeavour.



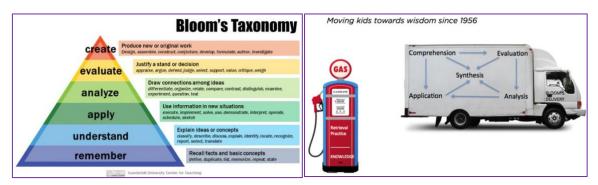
Mick Waters uses this diagram to illustrate the ways in which teachers can use pedagogy to teach the curriculum:





He suggests that the pedagogical cycle involves explicit teaching of an element of knowledge, or a key concept, and develops conceptual understanding and/or deep learning through a process of explicit instruction, exposition, problem-solving, deliberate practice and inquiry.

Doug Lemov (2016) explains that Bloom's Taxonomy is often misinterpreted – that Bloom placed knowledge and remembering facts at the base of his pyramid to indicate its essential place as the foundation required for the other elements to be possible. He suggests that Bloom's Taxonomy can be re-imagined as a vehicle for facilitating deeper learning:



The Learn-AT curriculum emphasises the essential place of knowledge in learning and its important role in supporting the development of domain-specific skills, competencies and non-cognitive capacities such as attitudes, attributes and dispositions. The curriculum therefore has three key and interwoven strands:

- Core knowledge and understanding
- Skills and competencies
- Attitudes, attributes and dispositions

We consider core knowledge to include:

- Excellent general, domain and subject knowledge
- Social, moral and cultural knowledge
- Broad vocabulary to support rich understanding and cognitive schema
- Big ideas that shape the world



Core skills and competencies include:

- Skills such as literacy, numeracy, digital, personal, social, emotional, learning and thinking skills, meta-cognition, physical, moral, spiritual...
 - The Six C's competencies for deeper learning:
 - 1. Critical thinking and problem solving
 - 2. Communication
 - 3. Creativity and imagination
 - 4. Character Education
 - 5. Citizenship
 - 6. Collaboration

We value highly the development of non-cognitive capacities such as:

- Determination
- Adaptability
- Flexibility

•

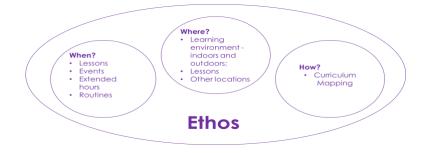
- Confidence
- Risk-taking
- Enterprise
- Self-regulation
- Emotional resilience
- Spiritual awareness
- Tolerance
- Kindness
- Curiosity

We believe these are most effectively developed within the context of a rich, rounded and rigorous, coherent curriculum, rather than taught discretely or in isolation (Tough, 2016).

Organisation of Learning

Mick Waters defines the curriculum as 'all the stuff you learn in school'. Organising something so all-encompassing is complex and involves many inter-relationships.

This diagram acknowledges the influence of school culture and ethos on all aspects of school life and illustrates the ways in which the primary curriculum is organised:



Equity



We are committed to equity and equality of opportunity, entitlement and experience for all pupils, regardless of their social or cultural background, race, ethnicity, religion, gender or ability. In the context of curriculum and pedagogy this means:

- We have consistently high expectations and set high standards for all pupils. All pupils will experience challenge, regardless of their ability or prior attainment.
- We are committed to a 'Mastery' approach to curriculum and pedagogy. This means we do not discriminate on grounds of prior attainment or ability. We intervene to provide additional support or teaching and learning time so that every child can achieve and make good progress. We teach key concepts to mastery and provide opportunities for learners to achieve deeper understanding. By integrating the 6C's and Bloom's Taxonomy (re-interpreted with knowledge as the foundation; see Appendix 6), teachers support children of all abilities to secure and consolidate their foundational knowledge and deepen their learning.
- We are committed to excellence in provision for pupils with SEND. We expect them to make good progress from their starting points. We provide a high-quality curriculum that meets their specific learning needs and promotes their well-being.

Evidence

The Learn-AT curriculum is research evidence-informed. Its emphasis on knowledge derives from research in cognitive science. In addition, we are committed to implementing research-informed pedagogies such as:

- Formative assessment strategies embedded in teaching and learning
- Development of metacognition and self-regulation
- Balance of direct and guided instruction and inquiry learning recognising that inquirylearning requires secure domain knowledge
- Use of assessment and evidence to evaluate impact of teaching on learning.

Engagement

Because we want pupils to remember what we teach, we want them to think about their learning. Thinking requires authentic engagement. We use a range of strategies to promote deeper learning and engagement:

- Integration of the 6Cs in all aspects of the curriculum (Fullan, Quinn 2018)
- Authentic purposes and contexts for learning (Berger 2006)
- Emphasis on first-hand experience and curricular enrichment following foundational knowledge development
- Purposeful, structured play in the early years; drama, strong emphasis on outdoor learning (e.g. Forest School), PE, sport and the Arts.
- Pupil agency, autonomy, choice and voice
- Strong, coherent cross-curricular connections

Faculties, Domains and Subjects

The Cambridge Primary Curriculum Review (Alexander, 2009) organises subjects into eight domains of learning:

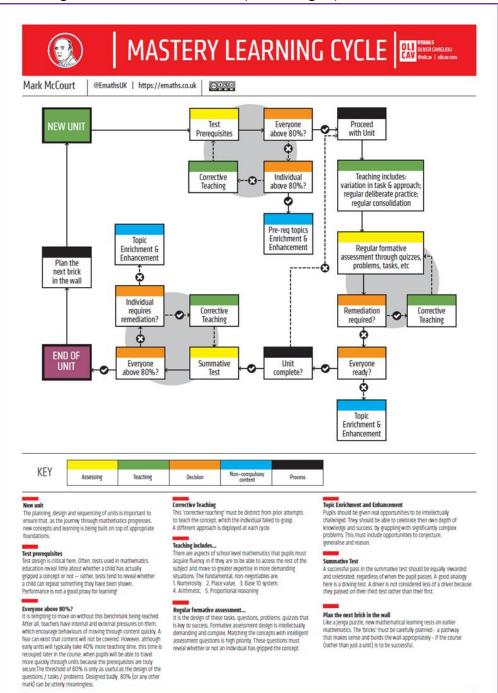
- 1. Language, Oracy and Literacy
- 2. Mathematics
- 3. Science and Technology
- 4. Place and Time
- 5. Arts and Creativity
- 6. Physical and emotional health
- 7. Faith and Belief
- 8. Citizenship and Ethics

For organisational purposes we have organised those domains into four faculties:

Faculty	Domain	Subject		
STEM	Mathematics	Mathematics		
		Science		
	Science and Technology	Design		
		Computing		
Arts	Language, Oracy and	English		
	Literacy	Languages		
	Arts and Creativity	Art		
		Music		
		Drama		
Wellbeing	Citizenship and Ethics	PSHE/SRE		
		Philosophy		
	Physical and Emotional	PE		
	Health	Sport/Outdoor		
		Education/Forest School		
Humanities	Place and Time	Geography		
		History		
	Faith and Belief	RE		
		Philosophy		

A mastery approach to learning

In the same way that we want our pupils to learn and to remember what they are taught, we want them to develop automaticity and fluency in core skills. Research evidence suggests strongly that fluency in skills such as phonics for reading and writing, cursive handwriting, automatic recall of basic number facts, spellings and technical aspects of writing such as punctuation reduces the cognitive load and frees up cognitive space for further learning. Fluent writing can be a useful tool for thinking across the curriculum. Fluent reading combined with a broad vocabulary supports understanding across all domains. Reading and writing are the cutlery pupils need to access the curriculum throughout their education. Our aim is for all pupils to master these skills and the foundational knowledge they need to build age-appropriate expertise in each domain of learning.



This diagram illustrates the Mastery Learning Cycle for mathematics:



In addition to these core skills, teachers integrate the teaching of domain and subject specific skills such as:

- Music
- Computing
- Design
- PE/sport
- Map reading (Geography)
- Interpreting evidence from primary sources (History)
- Understanding the principles of fair testing (Science and Technology)
- and many more...

Vocabulary and Oracy

Vocabulary and oracy development have an essential role to play in addressing disadvantage. For all pupils, regardless of background, a broad vocabulary is essential to support comprehension of spoken language and complex texts (Willingham, 2017; Hirsch, 2016; Beck, McKeown, 2013; Quigley, 2018). We develop Tier 1, Tier 2, and Tier 3 vocabulary through explicit teaching, for example through Word Study, linked to the teaching of spelling, by explicit teaching of subject specific specialist vocabulary in context, by championing high-quality dialogue with all pupils, and by promoting a **high volume of independent reading** (Allington 2016). We want all children to read independently and at length every day, in school. This is particularly important for children from disadvantaged backgrounds who may not have the opportunity to do this at home.

Reading is an essential skill that unlocks doors to learning, builds vocabulary, domain, social and cultural knowledge and empathy; reading is key to social mobility. Research suggests that these aspects of a reading curriculum are significant:

- systematic synthetic phonics to support early decoding fluency
- Volume of reading
- Oral language and vocabulary
- Criticality
- The development of metacognitive comprehension strategies
- Links to wider curriculum content fiction and non-fiction
- Strong links to the teaching of writing

Oracy

If reading is key, oracy is central. Without fluency in spoken language and the ability to understand fluent spoken language, children will struggle to achieve in school and in life.





The Learn-AT curriculum puts a strong emphasis on the integration of opportunities to develop oracy skills across all domains of learning.

The Six C's

Often described as 21st Century skills, at Learn-AT we don't think the 6 C's are any more pertinent to the 21st century than all the others. We think these skills are universal and essential for human innovation and creativity. However, we think they should be developed in domain contexts, integrated across the curriculum and build on foundational knowledge, as tools for developing profound engagement and deeper learning.

'Deep learning is valuable learning that sticks...is good for all, but it is especially powerful for those most alienated from the traditional schooling system' (Fullan et al, 2018, p.xvii)

'The crucial discriminator of deep learning is the depth of acquisition of the new competencies'

'The movement toward increasingly complex acquisition of the 6 Cs must be the anchor that drives the learning design and what makes the learning deep.' (Fullan et al, 2018, p69)

The Six Cs are:

Character

- Learning to learn
- Grit, tenacity, perseverance and resilience
- Self-regulation, responsibility and integrity

Citizenship

- Thinking like a global citizen
- Considering global issues based on deep understanding of diverse values and worldviews
- Genuine interest and ability to solve ambiguous and complex real-world problems that impact human and environmental sustainability
- Compassion, empathy and concern for others

Collaboration

- Working interdependently and synergistically in teams
- Interpersonal and team-related skills
- Social, emotional and intercultural skills
- Managing team dynamics and challenges
- Learning from and contributing to the learning of others

Communication



- Communicating effectively with a variety of styles, modes and tools including digital
- Communication designed for different audiences
- Reflection on and use of the process of learning to improve communication

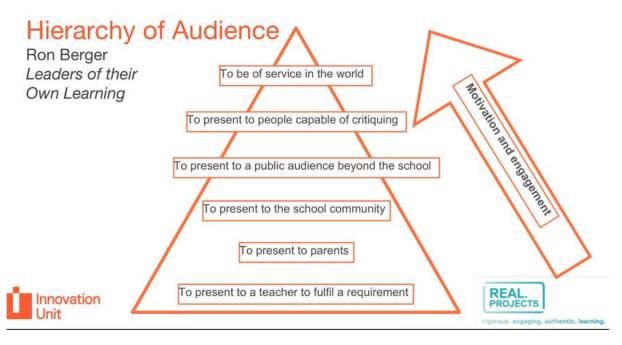
Creativity

- Having an entrepreneurial eye for economic and social opportunities
- Asking the right inquiry questions
- Considering and pursuing novel ideas and solutions
- Leadership to turn ideas into action

Critical Thinking

- Evaluating information and arguments
- Making connections and identifying patterns
- Problem solving
- Constructing meaningful knowledge
- Experimenting, reflecting and acting on ideas in the real world

Ron Berger (2014) talks about deeper instruction and advocates the use of the 'hierarchy of audience' to provide authentic contexts for pupil engagement and deeper learning:

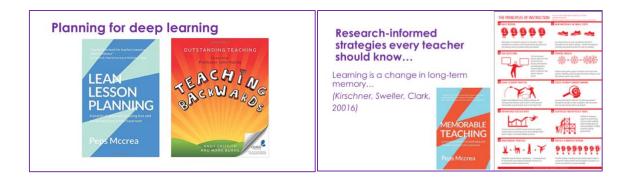


Mantle of the Expert (Heathcote, 1995; Taylor, 2016) and other drama techniques and strategies can also help teachers to provide engaging and authentic contexts for pupil learning.

Planning for Deep Learning

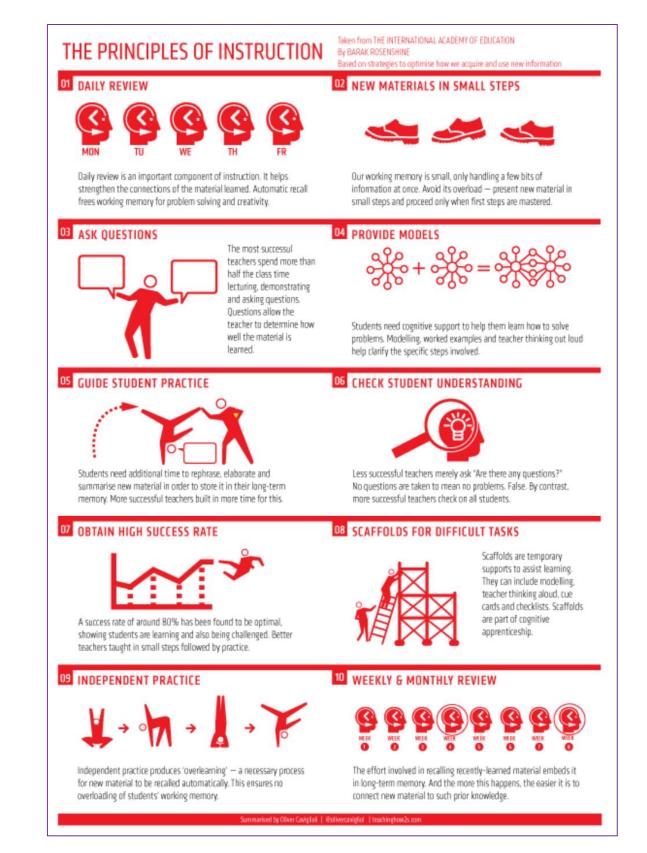
Teachers plan coherent sequences of lessons which lead to tangible outcomes over extended periods of time. Outcomes can be extended pieces of writing, including essays based on curricular topics in history and geography for example, extended pieces of narrative, expository or discursive writing in English, or presentations, speeches etc. Journalling is used in mathematics to support the development of reasoning, problem-solving and deep learning. Useful guidance on effective planning can be found here:





This poster summarises Barak Rosenshine's Principles of Instruction:





The Bottom Line – Unconditional Positive Regard

We treat every pupil, without exception, with unconditional positive regard. Practising unconditional positive regard means accepting and respecting others as they are without judgment or evaluation.

Learn-AT Curriculum Frameworks

Phase Two of this curriculum design work involved agreeing frameworks for each subject. CPG members and Learn-AT Subject Leaders worked together to develop a planning template to support curriculum and subject leaders to design precise, coherent and detailed sequences of learning for each subject during Phase Three. The subject frameworks indicate the big ideas, key concepts and vocabulary essential to coherent curriculum intent for each subject.

Framework documents and associated curriculum resources and guidance are stored in the Learn-AT Curriculum Framework Team on Microsoft Teams. Here is an example of the History Curriculum Framework:

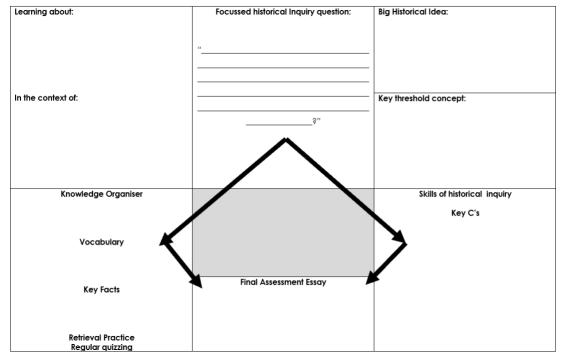
1	earn-/	AT			Big Ideas and Conce	epts of History		
	Histor				Over-arching C			
	urricul				llenging concept for young children to g	rasp. Chronology is important becau		
					o step back and view the "big picture" of			
Fro	amew	ork	1	2	3	4	5	6
			Continuity and Change	Cause and Effect	Perspectives	Empathetic Understanding	Significance	Contestability
			Historians recognise that over time some things change, and some things stay the same. Examples of continuity and change can be seen across every civilisation and any given period of time. They can be seen in some aspects of everyday life that has continued across centuries or in changes in religious belief that has affected an entire society's culture.	The concept of cause and effect is used by historians to identify the events or developments that have led to particular actions or results. Sometimes the links is clear. Often the link is less obvious or more complicated. Sometimes there are many causes and many effects.	The concept of perspectives is an important part of historical inquipt. A person's perspective is their point of view, the position from which they see and understand events. People will have different perspectives about an event depending on factors such as age, gender, social position, befef and values. Historians try to understand the perspectives of people from the past even though they may differ from their own. People from the past will have had different perspectives about the same event. Writers and historians also have perspectives that can influence their intercretations of the past.	Empathetic understanding is the ability to understand and appreciate particular events or actions from someone els' point of view. In history, it is about trying to understand the throughts and feelings of people who lived at different times and in very different cultures. It helps us to understand the impact of past events on individuals or groups and to understand what has motivated them to act in particular ways.	The concept of significance relates to the importance historian assign to aspects of the past, such as: Events Development and movements Individuals or groups Discoveries and historians make decisions about what is significant and worth studying. They ask questions about the impact of events, discoveries, movements, individuals and sites on the world, in their own time and loter.	The concept of contestability is about interpretations of the past fact are the subject of debate among historians. Historians have access to different sources and sometimes study the same source and reach different conclusions. Often there is no right answer. Technology can help historians reach a more complete understanding of the past.
		Y6			interpretations of the past.			
	-	Y5						
(suc		10						
Key/Threshold Concepts (Service Stations)		¥4						
epts (Serv	-	Y3						
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reshold								
Key/Th		Y1						
	-	EYFS						
		E1F3						

	KS	1	
	Historical Big Ideas an	d Threshold Concepts	
	understanding and builds knowl		
		or history lessons to secure mastery of subject knowledge,	
Discipli	nary Knowledge	Six Cs, procedural knowledge and domain specific Skills	Key themes
Know about	In the context of:	Know how to:	Develop understanding over time of key themes and ideas such as:
Changes within living memory Significant global and national events beyond living memory Significant people from the past Significant local events	Internet Technology Food Toys Homes Fashion etc Extinction of the Dinosaurs Fire of London Great Plague Civil War Discovery of America Circumnavigation of the World Victorians – The Education Act Votes for Women WW1 and WW2 Coronation Moon Landing King John William Caxton Christopher Wiren Samuel Pepys Florence Nightingale Mary Seacole Elizabeth Fry Motrin Luther King Gbandi, Rosa Parks Neison Mandela Christopher Columbus Queen Victoria Neil Armstrong Tim Berners-Lee Ckil War Canals Railways Richard III Castles Evacuees Refugees	Six Cs: Provide opportunities for pupils to collaborate, think critically and solve problems, develop creativity, communicate, develop their understanding of citizenship, build character. Procedural knowledge and domain specific skills: • Use words and phrases about the past • Share basic opinions about the past • List differences between their lives and the lives; of people in the past • Use sources to answer simple questions about the past • Share basic opinions about the past	 Extinction Ancestry Empire Independence Settlement Invasion Rebellion Revolution Protest Tyranny Democracy Evidence Source Monarchy Republic Freedom Slavery



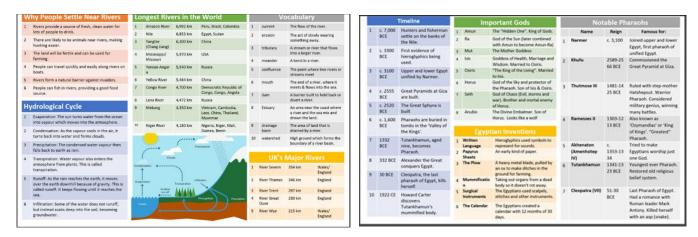
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	Historical Big Ideas and Threshold Concepts										
• • •	pertinent threshold concepts to plan a coherent, 'spiral' curriculum for understanding and builds knowledge from 'novice' to 'expert	'.	, , , ,								
	d threshold concepts in their planning for history lessons to secure ma										
Discip	linary Knowledge	Six Cs, procedural knowledge and domain specific Skills	Key Themes								
Know about	In the context of:	Know how to:	Develop understanding over time key themes and ideas such as:								
Pre-Roman Britain Changes in modern Britain from the Stone Age to the Iron Age Roman Britain the Roman empire and its impact on Britain	Idte Neolithic hunter-gatherers and early farmers, for example, Skaga, Brae Bronze Age religion, technology and travel, for example, Stonehenge Iron Age hill forts: tribal kingdoms, farming, art and culture Julius Caesar's attempted invasion in 55-54 BC the Roman Empire by AD 42 and the power of its army successful invasion by Claudius and conquest, including Hadrian's Wall British resistance, for example, Boudica	Six Ca: Provide opportunities for pupils to collaborate, think critically and solve problems, develop creativity, communicate, develop their understanding of citizenship, build character.	Extinction Ancestry Empire Independence Settlement Invasion Rebellion								
Anglo-Saxons and Scots Britain's settlement by Anglo-Saxons and Scots 	"Romanisation" of Britain: sites such as Caerwent and the impact of technology, culture and beliefs, including early Christianity Roman withdrawal from Britain in c. AD 410 and the fall of the western Roman Empire Scots invasions from Ireland to north Britain (now Scotland) Anglo-Saxon invasions, settlements and kingdoms: place names and village life Anglo-Saxon art and culture	Procedural knowledge and domain specific skills: Quality of written communication: • Structure essays and enquiries with mostly relevant information • Use dates and	 Revolution Protest Tyranny Democracy Evidence Source 								
Anglo-Saxons and Vikings • the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor: Local History • an aspect of local history	Christian conversion - Canterbury, Iona and Lindisfarme Viking raids and invasion resistance by Alfred the Great and Athelstan, first king of England turther Viking invasions and Danegeld Anglo-Saxon laws and justice Edward the Confessor and his death in 1066 an in-depth study linked to one of the British areas of study listed above a study over time tracing how several aspects of national history are reflected in the locality (this can go beyond 1066)	terminology Interpretations Identify different interpretations of events in the past Identify how different periods in history have changed or stayed	 Monarchy Republic Freedom Slavery 								
Extended Chronological Study an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 	a study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality the changing power of monarchs using case studies such as John, Anne and Victoria changes in an aspect of social history, such as crime and punishment from the Anglo-Saxons to the present or leisure and entertainment in the 20th Century the legacy of Greek or Roman culture (art, architecture or literature) on later periods in British history, including the present day a significant turning point in British history, for example, the first railways or the Bitte of British	the same over different periods Historical judgements Give a judgement to an enquity or issue in history State criteria for making these judgements Use of sources									
Ancient Civilisation the achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of one	Ancient Sumer; The Indus Valley; Ancient Egypt; or The Shang Dynasty of Ancient China	 Select mostly relevant sources to use in their work or argument State facts that can be learnt from a source about an 									
Ancient Greece Greek life and achievements and their influence on the western world	Greek Myths Gods and Goddesses Democracy	event or period in history									
Non-European Study a non-European society that provides contrasts with British history 	Early Islamic civilization, including a study of Baghdad c. AD 900; Mayan civilization c. AD 900; or Benin (West Africa) c. AD 900-1300										

History Unit Planning Framework



Knowledge Organisers

During Phase Three, teachers and curriculum leaders to develop an archive of Knowledge Organisers to support planning for mastery and assessment of key knowledge for foundation subject topics. Here are some examples of Knowledge Organisers:



However, a knowledge organiser does not a curriculum make. It is essential that Knowledge Organisers are developed in a context of a coherent and carefully planned sequence of learning and implemented within a context of effective and research-informed pedagogy.

Monitoring and Evaluation

Strategies for evaluation of the quality of education and the impact of the curriculum:

- Look at the whole child, e.g. progress in knowledge, understanding and skills, attitudes, attributes and dispositions.
- Use assessment information intelligently to identify trends and clear goals for improvement
- Use critical friends to offer insights and challenges
- Use a wide range of measures qualitative and quantitative
- Create a continuous improvement cycle (see Learn-AT School Improvement Framework)
- Use a variety of techniques to collect and analyse information
- Employ principled, effective formative and summative assessment (see Learn-AT Assessment Framework)
- Involve the whole school community: learners, parents, teachers, employers and governors.

Accountability measures relate to:

- High standards of achievement attainment and progress in all curriculum subjects.
- Good behaviour and attendance
- Civic participation
- Healthy lifestyles
- Sustained engagement in education



Appendix 1: Principles, Features and Rationale of the Learn-AT Curriculum and Pedagogy Framework

Principle	Feature	Rationale	What does this look
Coherent,	 Strong emphasis on oracy, literacy and numeracy 	Mind in Society (Vygotsky 1978)	Handwriting flue
domain-specific	development.	Words and Minds (Mercer 2000) Interthinking (Littleton, Mercer 2013)	 English front and High volume of it
skills development	 Securing early, fluent reading and writing is prioritised 	Deep Learning (Fullan, Quinn, McEachen 2018)	Planning and pr
•	Subject specific skills taught in context.	How to Build a World Class Education System (Schleicher 2018)	domains.
	 Six C's integrated in all facets of the curriculum and 	An Ethic of Excellence (Berger 2003)	Authentic purpo
	developed in the context of curriculum domains.	Learning that Lasts (Berger 2016)	Open-ended qu
	•	Handwriting in Early Childhood (Zaner-BLoser 2017) Handbook of Writing Research (McArthur 2016)	answers.Challenging wo
	Emphasis on development of metacognition and self- regulation and other near acceptitive attributes a g	Early Literacy Research (Reutzel 2015)	 Opportunities for
	regulation and other non-cognitive attributes e.g.	Exploring the relationship between letter recognition and handwriting in early literacy	especially math
	resilience in curriculum domain contexts.	development (Reutzel et al 2017)	Secure knowled
		Writing Revolution: a guide to advancing thinking through writing across all subjects and grades (Hochman, Wexler 2017)	 Generic skills are Grammar is taug
		Early Reading Instruction (McGuinness 2006)	
		The Power of Reading: Insights from the Research (Krashen 2004)	
		What Really Matters When Working with Struggling Readers (Allington, 2013)	
		The Reading Mind (Willingham 2017) Metacognition and Self-Regulation (EEF 2018)	
		Helping Children Succeed: What Works and Why (Tough, 2016)	
		Bloom's Taxonomy Delivery Service (Lemov, 2017)	
	- · · · · · · · · · · · · · · · · · · ·	Webb's Depth of Knowledge Continuum (Hess, 2013)	
Curriculum	Teaching is planned over sequences of lessons towards	Teaching Backwards (Griffiths, 2014) Lean Planning (McRea 2018)	 Sequences of le Coherent, increr
coherence	clear overarching learning objectives and outcomes.	Writing Revolution (Hochman, Wexler 2017)	Consistent, high
			Coherent links a
			foundation subje
			and attention p tool for thinking i
Knowledge-rich	Knowledge organisers with key facts and vocabulary	Cultural Literacy (Hirsch 1984)	
Kilowieuge-lien	placed at the heart of curriculum topics.	Why Knowledge Matters (Hirsch 2016)	
	placed at the fleah of comedion topics.	Seven Myths of Education (Christodoulou, 2013)	
		What is a Curriculum and What Can it Do? (Young 2014) On the Powers of Powerful Knowledge (Young, Muller 2013)	
		Knowledge and the Curriculum (Simons, Porter 2015)	
Teaching for	Teachers adopt a mastery approach to teaching and	Closing Achievement Gaps: Revisiting Benjamin Bloom's Learning for Mastery (Guskey 2007)	Fewer topics are ta
Mastery/Mastery	learning in all subjects.	Mastery Learning Cycle: Mark McCourt 2018	Rapid intervention e
Learning	3 1 1 1	Learning without Limits (Peacock, 2016) Learning without Labels (Rowland, 2017)	 Effective pre-teach Differentiation by su
		Mastering Mathematics (Drury, 2014)	 High expectations f
			 All pupils without sig
			better at the end of
			 All pupils, including starting points.
			 No grouping/setting
Retrieval practice:	Multiple choice guizzes linked to Knowledge Organisers	Ebbinghaus's Forgetting Curve (1885)	Pupils self-quiz using their K
regular quizzing		Retrieval-Based Learning: the need for guided retrieval in elementary school children (Karpicke	Lessons often sto
and cumulative		et al, 2014) Memorable Teaching (McRea, 2017)	Teachers ask a le
quizzing		Memorable reaching (Mickey, 2017)	
Research-	Classroom practice, CPD and leadership support is guided	What Makes Great Teaching (Coe et al 2014)	Lessons are tead
	by evidence from authoritative educational research.	Principles of Instruction (Rosenshine, 2012)	New information
informed Rederection	Practices such as those outlined in What Makes Great	Why Minimally Guided Instruction Doesn't Work (Kirschner et al 2016)	Narrative often u
Pedagogies		Educational Effectiveness State of the Art Review (Reynolds et al 2014)	Frequent practic
	Teaching, (Coe et al, 2014) and Rosenshine's principles of	The New Art and Science of Teaching (Marzano 2017) Understanding how we learn (Weinstein, Sumeracki 2019)	 Models, images Where approprie
	instruction are encouraged.	Dual Coding for Teachers (Caviglioli, 2019)	groups.
			Inquiry learning I
			Pupils have regulated as a second secon
End of Unit Essay	Pupils write an extended essay at the end of each	Opportunity to organise knowledge learned in a sustained report or argument. What Will Improve a Student's Memory? (Willingham, 2008)	Y1/2: Restate fac X3/4: Organisa c
	curricular topic.	Essay writing skills development.	 Y3/4: Organise of Y5/6: Write a bag
			each point.
Responsive	Formative assessment is embedded in all lessons.	Embedded Formative Assessment (Wiliam, 2011)	Clear learning o
teaching		Embedded Formative Assessment: Strategies (William 20	Effective question
		Making Good Progress (Christodoulou, 2016)	Low stakes asses
Enrichment	Curriculum is enriched through first-hand experiences.	Facilitates application, exploration and deepening of learning	High quality vert Visiting speakers, curriculur
EnifChineni	Concolorris enliched micogri ilisi-nana experiences.	Arousal Mediated Memories (LaBar, Phelps 1998)	curriculum topics, usually t
		Joy!	enhanced by their increas
Authentie	Teachers integrate authentic purposes for learning to their	An Ethic of Excellence (Berger, 2003)	using Michael Tic
Authentic			I are ating project
purposes for	unit planning.	Learning that Lasts (Berger, 2016); Leaders of their own Learning (Berger, 2014) Deep Learning (Fullan and Quinn, 2018); Four Purposes for Writing (Tidd, Templar-Wilson, 2016)	 creating project using drama techniques lik



k like in practice?

- uent and automatic, early.
- ind centre in curriculum planning.
- of independent reading and writing every day.
- provision for development of Six C's integrated into all curriculum

poses for learning and authentic audiences for curriculum products. questions prompt thinking, conversation, dialogue and extended

- work creates productive struggle.
- for reasoning and problem solving are embedded into all subjects, thematics.
- edge is the foundation for the development of skills
- are not taught in isolation
- ught in the context of writing for authentic purposes and audiences.

f learning are evident in pupils' work. remental introduction of key concepts, knowledge and skills. gh expectations in literacy across the curriculum. s are made between subjects to support deeper learning, for example, ubject content in texts and writing topics in English and application of

paid to literacy skills in foundation subjects and writing is used as a g in maths journaling.

taught but in greater depth

n ensures that children who need additional support catch up quickly ching means all children can access the main lesson.

support and intervention to secure understanding and achievement s for all pupils regardless of prior attainment.

significant SEND are expected to achieve the expected standard or of each Key Stage.

ng those with SEND, are expected to make good progress from their

ng by ability.

- Knowledge Organisers
- start and end with MCQs
- a lot of closed questions linked to key facts.

eacher-led.

- ion in small chunks.
- n used to deliver information as a story.
- ctice/oral rehearsal of key facts/concepts
- es and scaffolds used to support learning.

priate, the teacher guides further learning and consolidation in small

ng builds on explicitly taught and secure foundational knowledge gular opportunities for deliberate practice.

facts they have learned to inform reader about their topic e and group ideas into paragraphs to make a persuasive argument. balanced discursive essay, referencing and assessing for and against

objectives and success criteria

- tioning
- sessment strategies
- erbal feedback supports progress in learning
- lum events, educational trips and visits are organised to enrich
- y towards the end of a topic so that children's learning experience is based knowledge, following topic teaching.
- Tidd's four main purposes for writing;
- ects with genuine purposes in the local community or beyond; s like Mantle of the Expert to engage and motivate children in rexts.

Appendix 2: Curriculum Overview 1

Faculty	Domain	Subject	Cycle			le 2		cle 3		cle 4
Arts	Language,	English	Enter	tain	Info	orm	Persi	Jade	Disc	CUSS
	Oracy and		Info		Persu			CUSS		ertain
	Literacy		Persu		Disc			ertain	Inform	
			Disc		Ente			orm		uade
				Int	egrated gramma	r and word study	/spelling – planned for progression			
							eaching and daily		-	
			Core Text	Core Text 2	Core Text	Core Text	Core Text	Core Text	Core Text 7	Core Text 8
			1		3	4	5	6		
	Arts and Creativity	Drama	Unit	1			Ur	iit 3		
		Art			Unit 1				Un	iit 2
		Music	Unit 1				Ur	iit 2		
Humanities	Time and Place	Geography, History	Topic 1 History		Topic 2 Geography		Topic 3 History		Topic 4 Geography	
	Faith and Belief	RE	Unit 1			Unit 2		Unit 3		iit 4
	Full and belief	KE			02					
STEM	Maths	Maths	Unit 1		Unit 2		Unit 3		Unit 4	
	Science and Technology	Science	Unit	Unit 1		Unit 2		Unit 3		iit 4
	reennology	Design			Un	it 1			Un	iit 2
		Computing	Unit	1			Ur	it 2		
Wellbeing	Physical and Emotional Health	tional		Unit 1		it 2	Ur	iit 3	Un	iit 4
	Citizenship and Ethics	PSHE	Unit	1			Ur	iit 2		
		SRE			Unit 1				Un	iit 2

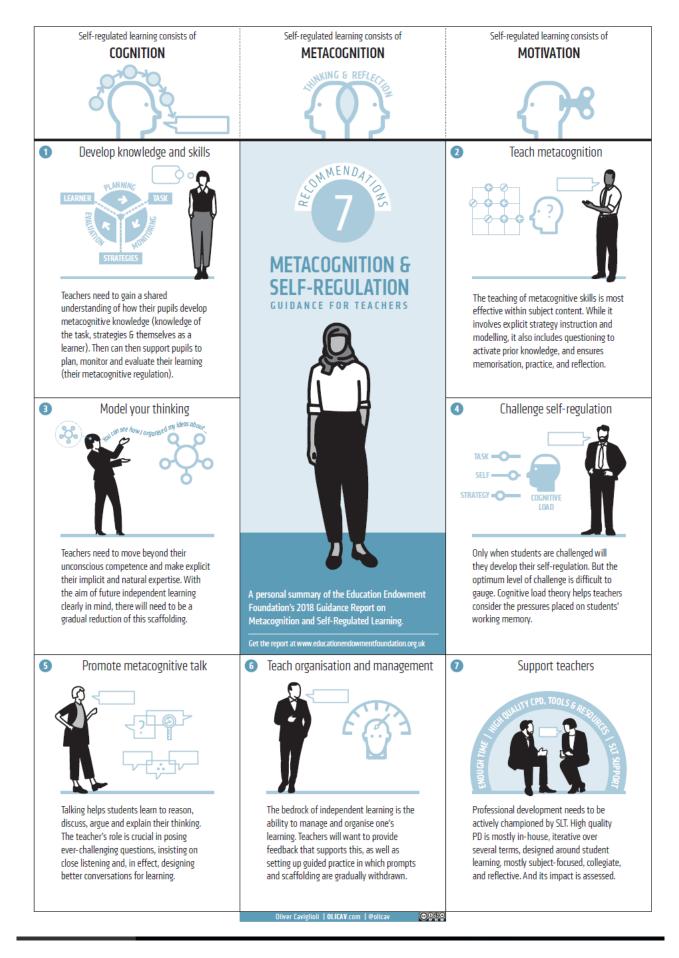


Appendix 3: Curriculum Overview 2

Faculty	Domain	Subject	Cycle 1*	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6
Arts	Language,	English	Entertain	Inform	Persuade	Discuss	Discuss	Discuss
	Oracy and	-	Inform	Persuade	Discuss	Entertain	Entertain	Entertain
	Literacy		Persuade	Discuss	Entertain	Inform	Inform	Inform
			Discuss	Entertain	Inform	Persuade	Persuade	Persuade
				Integrated	grammar and word s	udy/spelling – planned for	progression	
				Har	dwriting - explicit, dire	ct teaching and daily prac	ctice	
			Core Text	Core Text	Core Text	Core Text	Core Text	Core Text
			1	2	3	4	5	61
	Arts and Creativity	Drama	Unit 1		Unit 2		Unit 3	
		Art		Unit 1		Unit 2		Unit 3
		Music	Unit 1		Unit 2		Unit 3	
Humanities	Time and Place	Geography, History	Topic 1 History	Topic 2 Geography	Topic 3 History	Topic 4 Geography	Topic 5 History	Topic 6 Geography
	Faith and Belief	RE	Unit 1			Unit 2		Unit 3
STEM	Maths	Maths	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
	Science and Technology	Science	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
		Design		Unit 1		Unit 2		Unit 3
		Computing	Unit 1		Unit 2		Unit 3	
Wellbeing	Physical and Emotional Health	PE	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
	Citizenship and Ethics	PSHE	Unit 1		Unit 2		Unit 3	
		SRE		Unit 1		Unit 2		Unit 3

*These exemplar Curriculum Overviews assume a 36-week planned curriculum, allowing 3 weeks for flexibility to finish off unfinished work, provide for individual curriculum requirements specific to the school (Christmas productions, for example). Thirty-six weeks allows for 4 X 9-week topics, running over half term boundaries, or 6 X 6-week topics – or a combination, according to the school's own planning requirements.

Appendix 4: Metacognition and Self-Regulation Poster





Appendix Five: Learn-AT Curriculum Framework - Summary

Faculty	Domain	Subject	Curriculum Programme of Study
STEM	Mathematics	Mathematics	Learn-AT Framework + School's adopted scheme of work (Inspire/Maths No Problem/White Rose etc)
		Science	Learn-AT Framework: detailed, coherent schemes of work (C.Such as a starting point)
	Science and Technology	Design	DT Association Projects on a Page <u>https://www.data.org.uk/resource-</u> <u>shop/projects-on-a-page-full-pack-of-21-</u> <u>planners/</u>
		Computing	Rising Stars Computing Curriculum
Arts	Language, Oracy and Literacy	English	Learn-AT Framework + detailed planning of fiction and non-fiction texts and genres for each year group
	,	Languages	Detailed, coherent scheme of work
	Arts and Creativity	Art	Learn-AT Framework : detailed, coherent scheme of work
		Music	Charanga/Music Express/Leicester- Shire Music Hub Scheme of Work
		Drama	Integrated within English and performance opportunities
Wellbeing	Citizenship and Ethics	PSHE/SRE	Cambridge PSHE Scheme of Work
	Physical and Emotional Health	PE	Recognised Curriculum/SoW e.g. Val Sabin/Rising Stars Champions/Youth Sports Trust etc) Comprehensive access to sporting opportunities via LSLSSP/Outdoor Education/Forest School
Humanities	Place and Time	Geography	Learn-AT Framework/detailed, coherent schemes of work (PrimaryTimery Guidance)
		History	Learn-AT Framework/detailed, coherent schemes of work (PrimaryTimery guidance)
	Faith and Belief	RE	Leicestershire Agreed Syllabus + Understanding Christianity

Agreed by Learn-AT Curriculum and Pedagogy Group, Faculty and Subject Leaders during 2018/19

Appendix Six: Learn-AT Linchpins - core entitlement for all Learn-AT pupils Learn-AT Linchpins

EYFS: High quality, oracy-rich, rounded and rigorous EYFS Curriculum

KS1/2: Learn-AT Curriculum and Pedagogy Framework is established – knowledge-rich, coherent and detailed foundation subject schemes of work are developed throughout 2019/20.

Assessment Framework is firmly embedded in all year groups.

English

- Oracy-rich
- Handwriting is automatic and cursive/joined by Y2
- Comprehensive, research-informed reading curriculum systematic, embedded:
 - Phonics first and fast; fidelity to the chosen programme
 - Up to an hour of accountable, independent reading for purpose and pleasure, daily, embedded in English AND all subject areas; at just the right level for fluent reading.
 - Early emphasis on fluency (KS1 use phonically decodable books until fluency is achieved)
 - All children read aloud to an adult in school at least 3 times per week; disadvantaged pupils read aloud to an adult daily
 - Reading for pleasure pedagogies
 - Metacognitive comprehension strategies taught in whole class and/or guided reading
 - Systematic vocabulary development, in the context of a rich, rigorous and coherent curriculum
 - Teachers read aloud to pupils at least once a day, class novel and non-fiction, rhymes and poetry
 - Reading is embedded in all subjects
 - Writing for four main purposes is taught over well-planned sequences of lessons:
 - All pupils write independently and at length every day in English and/or across the curriculum
- Grammar, punctuation, spelling and vocabulary
 - Word Study is embedded in classroom practice across Y2 and Key Stage 2
 - o Grammar and punctuation are taught systematically in the context of reading and writing

Maths

- School follows a recognised mastery scheme of work with fidelity
- Fluency in number facts/bonds and multiplication/division (tables) is prioritised for all pupils
- Key strategies for differentiation within a mastery approach are embedded:
 - Skilful questioning within lessons to promote conceptual understanding (Drury, 2014, Jones, 2014, Guskey, 2009)
 - Identifying and rapidly acting on misconceptions which arise through same day intervention (Stripp, 2014, Maths Hubs, 2015a) (ARK, 2015).
 - Challenging, through rich and sophisticated problems, those pupils who grasp concepts rapidly, before any acceleration through new content. (NCETM, 2014)
 - Use of concrete, pictorial and abstract representations according to levels of conceptual development (Jones, 2014, Drury, 2014)

Five Myths of Mastery in Mathematics 2015 National Association of Mathematics Advisors

Strong sports and creative arts provision including daily singing (with text)

RIPPLE

Research-informed practice, professional learning and the use of evidence

Appendix 5: Learn-AT Curriculum Framework Summary



Faculty	Domain	Subject	Curriculum/Scheme of Work
STEM	Mathematics	Mathematics	Learn-AT Framework + School's adopted scheme of work (Inspire/Maths No Problem/White Rose etc)
		Science	Learn-AT Framework/detailed, coherent curriculum/aligned schemes of work
	Science and Technology	Design	Learn-AT Framework/detailed, coherent curriculum/aligned schemes of work
		Computing	Rising Stars Computing Curriculum
Arts	Language, Oracy and Literacy	English	Learn-AT Framework
	Arts and	Art	Learn-AT Framework/detailed/coherent SoW
	Creativity	Music	[ABRSM Music Curriculum 2019]: Charanga/Music Express/Leicester-Shire Music Hub Scheme of Work
Wellbeing	Citizenship and Ethics	PSHE/SRE	Cambridge PSHE Scheme of Work
	Physical and Emotional Health	PE	Recognised Curriculum/SoW e.g. Val Sabin/Rising Stars Champions/Youth Sports Trust etc) Comprehensive access to sporting opportunities via LSLSSP/Outdoor Education/Forest School
Humanities	Place and Time	Geography	Learn-AT Framework/detailed, coherent schemes of work
		History	Learn-AT Framework/detailed, coherent schemes of work
	Faith and Belief	RE	Leicestershire Agreed Syllabus + Understanding Christianity

This framework was developed by the Learn-AT Curriculum and Pedagogy Group 2017/18:



CPG Member	Role	School
Dave Turner (Chair)	Head of School	Ridgeway Primary Academy
Stef Edwards	CEO	Learn-AT
Claire Rodi	Assistant Head	Market Harborough CE
Emma Tayler	Headteacher	Academy
Tasmin Williams	Curriculum Leader	Meadowdale Primary School
Christina Addison	EYFS Leader	Ridgeway Primary Academy
Matt Hough	Assistant Headteacher	Meadowdale Primary School
Alison Vickers	Deputy Headteacher	Husbands Bosworth CE Primary
		School
Sarah Walker	Learn-AT Lead Practitioner for	Great Bowden Academy
	English and Y1 Teacher	
Heather White	Executive Headteacher	Lubenham and St Andrews
Ruth Burton	Head of School	St Andrew's CE Primary School
Rachel O'Hara	EYFS Leader	Blaby Stokes CE Primary
		School
Angela Dewes	Executive Headteacher	Great Bowden and Ridgeway
Sue Foster	Head of School	Lubenham All Saints Primary
		School
Jenny Green	Deputy Headteacher	Church Langton CE Primary
		School
Hayley Brown	Deputy Headteacher	Little Bowden Primary School

Next Steps

Curriculum Design Phase 2: 2018/19

- Frameworks for each subject
- Long term Curriculum Subject/Topic/Unit Maps for each year group for each school

Curriculum Design Phase 3: 2019/20

- Coherent and detailed sequences of learning (learning road maps) for each subject, for each year group.
- Knowledge organisers
- Review assessment framework
- Review, evaluation and revision

Curriculum Design Phase 4: 2020/21

- Develop high-quality subject-specific CPD for teachers
- Review, evaluation and revision

Last review: November 2019