

## National Professional Qualification (NPQ): Senior Leadership Framework

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### **Acknowledgements**

The National Professional Qualification Frameworks were developed in consultation with the following members of an Expert Advisory Group<sup>1</sup> and in collaboration with a wide range of teachers, school leaders, academics and experts:

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The content of the framework and its underpinning evidence have been independently assessed and endorsed by the Education Endowment Foundation (EEF).



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### Summary

### About this guidance

This publication provides guidance from the Department for Education (DfE). It sets out the knowledge, skills and behaviours that will be developed by school leaders when they participate in the National Professional Qualification for Senior Leadership (NPQSL).

### Who is this guidance for?

This guidance is for:

- school leaders who are applying for, participating in, or encouraging staff to undertake this NPQ
- organisations developing and delivering NPQs.

### Introduction

## Transforming the support and development offer for teachers and school leaders throughout their career

Great teaching and great school leadership are the foundations of a world-class education system. At the heart of great teaching and great school leadership is a shared, evidence-informed understanding of what works.

We have revised our Initial Teacher Training (ITT) Core Content Framework and, through the implementation of the Early Career Framework (ECF), are now supporting teachers in the first years of their career with a structured two year induction into the profession.

Building on this, our priority is to help all our teachers and school leaders continuously develop their knowledge and skills throughout their careers so every child in the classroom in every school gets a world-class start in life.

The National Professional Qualifications (NPQs) provide training and support for teachers and school leaders at all levels, from those who want to develop expertise in high quality teaching practice, such as behaviour management, to those leading multiple schools across trusts.

The NPQ frameworks continue the robust method of design and development, building on the evidence base and expert guidance already established in the ECF and the ITT Core Content Framework. They complete the golden thread, running from initial teacher training through to school leadership, rooting teacher and school leader development in the best available evidence and collective wisdom of the profession.

The frameworks reflect the <u>Teachers' Standards</u> and <u>Headteachers' Standards</u> to ensure coherency with the requirements already used by the teaching profession.

### The suite of National Professional Qualifications

NPQs are a set of prestigious professional qualifications, already widely recognised by the sector. They are voluntary and are designed to support the professional development of teachers and school leaders at all levels, across primary and secondary schools.

Three existing NPQs in Senior Leadership, Headship and Executive Leadership have been reformed to ensure they are underpinned by the latest and best evidence, and reflect the new Headteachers' Standards. Our NPQ in Middle Leadership has been replaced with three new NPQs for teachers and school leaders who want to broaden and deepen their expertise in specialist areas. The NPQs comprise the:

- National Professional Qualification for Leading Teacher Development (NPQLTD) – for teachers who have, or are aspiring to have, responsibilities for leading the development of other teachers in their school. They may have responsibilities for the development of all teachers across a school or specifically trainees or teachers who are early in their career.
- National Professional Qualification for Leading Behaviour and Culture (NPQLBC) for teachers who have, or are aspiring to have, responsibilities for leading behaviour and/or supporting pupil wellbeing in their school.
- National Professional Qualification for Leading Teaching (NPQLT) for teachers who have, or are aspiring to have, responsibilities for leading teaching in a subject, year group, key stage or phase.
- National Professional Qualification for Senior Leadership (NPQSL) for school leaders who are, or are aspiring to be, a senior leader with cross-school responsibilities.
- National Professional Qualification for Headship (NPQH) for school leaders who are, or are aspiring to be, a headteacher or head of school with responsibility for leading a school.
- National Professional Qualification for Executive Leadership (NPQEL) for school leaders who are, or are aspiring to be, an executive headteacher or have a school trust CEO role with responsibility for leading several schools.

### **Reforming the National Professional Qualification content frameworks**

In collaboration with an Expert Advisory Group, we consulted extensively with the sector to design the reformed suite of NPQs. This has included invaluable input from teachers, school and trust leaders, academics and experts.

The frameworks set out two types of content. Within each area, key evidence statements ("Learn that…") have been drawn from current high-quality evidence from the UK and overseas. This evidence includes high-quality reviews and syntheses, including metaanalyses and rigorous individual studies. In addition, the NPQ frameworks provide practical guidance on the skills that teachers and school/trust leaders should be supported to develop. Practice statements ("Learn how to…") draw on both the best available educational research and on additional guidance from the Expert Advisory Group and other sector representatives. The NPQs seek to support every school leader to ensure that their leadership enables all pupils to succeed. This includes those pupils identified within the four areas of need set out in the Special Educational Needs and Disability (SEND) code of practice, and children in need of help and protection as identified in the Children in Need Review.

The EEF has independently reviewed the frameworks to ensure they draw on the best available evidence and that this evidence has been interpreted with fidelity. References for evidence underpinning each section are provided at the end of the framework.

The NPQ frameworks have also been reviewed by a wide range of sector bodies including unions, special educational needs and disability experts and governance experts.

### The role of senior leader

Leading within school is complex. Although the role varies, many senior leaders contribute to all aspects of the school through the leadership team as well as having a specific whole school responsibility of their own. This means the role is often both operational and strategic and relies on working with and through colleagues (in particular, through middle leaders) to ensure every pupil gets an excellent education.

Those in this role need to have a strong understanding of their context, community and the pupils and adults they work with. They also need to have depth of expertise across a number of specialist areas related to their role (e.g. curriculum and assessment, behaviour, organisational management) and in approaches that, through working with their colleagues, enable their school to keep improving (e.g. professional development and implementation). They must understand the relationship between these different domains, how they can change over time and how to contribute to a culture and conditions in which staff and pupils are able to thrive, all while maintaining the highest professional conduct as set out in the Teachers' Standards and Headteachers' Standards.

That means developing expertise in leading within a school is also complex. This framework is a codification of essential knowledge, skills and concepts that underpin successful leadership within a school. It sets out what those leading within a school should know and be able to do within the specialist areas related to their role and in relation to approaches that enable their school to keep improving.

Providers of this qualification will design a curriculum that draws on and blends together sections from across this framework, with the professional standards that sit alongside it, and which is responsive to the needs of the participants who are taking the course.

The course curriculum should aim to develop expertise that is flexible and allows participants to respond to the challenges they will encounter in a range of contexts. It should develop expertise that can be applied to both identifying and addressing persistent and common challenges in school leadership. It should also provide fellow professionals with a network, common language and access to a continuous debate through which the collective expertise of our education system can grow and develop.

#### Updating the National Professional Qualification content frameworks

The NPQ frameworks will be kept under review as the evidence base evolves. As in any profession, the evidence base is not static and research insights develop and progress.





# National Professional Qualification (NPQ): Senior Leadership Framework

This qualification is for school leaders who are, or are aspiring to be, a senior leader with cross-school responsibilities.

### **One – School Culture**

Learn	that	Learn how to
1.1.	High-quality teaching has a long-term positive effect on pupils' life chances, particularly for children from disadvantaged backgrounds.	Contribute to establishing and sustaining the school's strategic direction, including by:
1.2.	Teacher expectations can affect pupil outcomes; setting goals that challenge and stretch pupils is essential.	1.a. Ensuring the strategic direction sets ambitious standards for all pupils.
1.3.	Setting clear expectations can help communicate shared values that improve classroom and school culture.	1.b. Understanding and promoting the strategic direction, communicating about it regularly, and encouraging every member of the school community to support it.
1.4.	Teachers have the ability to affect and improve the wellbeing, motivation and behaviour of their pupils.	1.c. Ensuring all aspects of the school's approach to continuous improvement are aligned to each other and around this strategic
1.5.	Teachers are key role models, who can influence the attitudes, values and behaviours of their pupils.	direction. 1.d. Paying particular attention to securing alignment between
1.6.	Teachers can influence pupils' resilience and beliefs about their ability to succeed, by ensuring all pupils have the opportunity to experience meaningful success.	curriculum, assessment and teaching, and of these to the school's ambitious goals for its pupils.
1.7.	A culture of mutual trust and respect between colleagues fosters effective relationships and supportive professional	Contribute to establishing and sustaining an effective culture across the school, including by:
1.8.	environments. Building alignment of staff around the intended school culture can create coherence in a school and give direction and purpose to the staff's work teaching pupils.	1.e. Articulating, modelling and rehearsing practices that contribute to the intended school culture and supporting every member of the school community, particularly middle leaders, to do the same.
		1.f. Prioritising the use of intentional and consistent language that promotes challenge, aspiration and high expectations for pupils; and professional development and high professional

standards for all colleagues.
1.g. Implementing and monitoring the effects of school policies (particularly in your area of responsibility) to create an environment for pupils and colleagues where everyone feels welcome, safe, and able to learn from mistakes.

## Two – Teaching

Learr	that	Learn how to
2.1.	Learning involves a lasting change in pupils' capabilities or understanding.	Establish and sustain effective planning and preparation across the school, including by:
2.2.	Effective teaching can transform pupils' knowledge, capabilities and beliefs about learning.	2.a. Working with middle leaders to plan for the teaching of foundational knowledge, the removal of scaffolding as pupils
2.3.	Paired and group activities can increase pupil success, but to work together effectively pupils need guidance, support	achieve high degrees of success and the practice of applying new knowledge and skills.
2.4.	and practice. How pupils are grouped is also important; care should be taken to monitor the impact of groupings on pupil attainment, behaviour and motivation.	2.b. Explaining and exemplifying how to break tasks down into constituent components when first setting up independent practice.
2.5.	Homework can improve pupil outcomes, particularly for older pupils, but it is likely that the quality of homework and its relevance to main class teaching is more important than the amount set.	2.c. Promoting the use of retrieval and spaced practice to build automatic recall of key knowledge and interleaving of concrete and abstract examples.
2.6.	Prior knowledge plays an important role in how pupils learn; committing some key facts to their long-term memory is likely to help pupils learn more complex ideas.	Support colleagues to explain and model effectively, including by:
2.7.	An important factor in learning is memory, which can be thought of as comprising two elements: working memory and long-term memory.	2.d. Demonstrating and promoting effective practice that highlights the importance of explanations that start at the point of current pupil understanding; and include concrete representation of abstract ideas (e.g. making use of metaphors).
2.8.	Working memory is where information that is being actively processed is held, but its capacity is limited and can be overloaded.	2.e. Promoting high quality modelling that highlights the importance of narrating thought processes to make it clear how an

2.9.	Long-term memory can be considered as a store of knowledge that changes as pupils learn by integrating new ideas with existing knowledge.	expert might think when completing a task; drawing pupils' attention to links with prior knowledge; and making the steps in a process memorable to ensure pupils can recall them (e.g. naming
2.10.	Where prior knowledge is weak, pupils are more likely to develop misconceptions, particularly if new ideas are introduced too quickly.	them, developing mnemonics, or linking to memorable stories).
2.11.	Regular purposeful practice of what has previously been taught can help consolidate material and help pupils	Ensure teaching across the school stimulates pupil thinking and understanding, including by:
	remember what they have learned.	2.f. Supporting staff to focus lesson time on what they want
2.12.	Requiring pupils to retrieve information from memory, and	pupils to think hard about.
	spacing practice so that pupils revisit ideas after a gap, are also likely to strengthen recall.	2.g. Promoting the use of a range of question types that can improve the quality of class discussions (e.g. by modelling new
2.13.	Worked examples that take pupils through each step of a new process are also likely to support pupils to learn.	vocabulary or asking pupils to justify answers to extend and challenge pupils).
2.14.	Effective teachers introduce new material in steps, explicitly linking new ideas to what has been previously studied and learned.	2.h. Providing examples of scaffolds for pupil discussion that increase the focus and rigour of dialogue.
2.15.	Modelling helps pupils understand new processes and ideas; good models make abstract ideas concrete and accessible.	2.i. Working with school leaders to encourage approaches that support effective collaborative or paired work (e.g. clear success criteria, providing high-quality models, providing explicit guidance
2.16.	Guides, scaffolds and worked examples can help pupils apply new ideas, but should be gradually removed as pupil expertise increases.	on how to work together effectively) whilst highlighting considerations that may affect its success (e.g. pupils' familiarity with routines, pupils having the necessary prior knowledge and how pupils are grouped).
2.17.	Explicitly teaching pupils metacognitive strategies linked to subject knowledge, including how to plan, monitor and evaluate, supports independence and academic success.	
2.18.	Questioning is an essential tool for teachers; questions can be used for many purposes, including to check pupils' prior	

	knowledge, assess understanding and break down problems.
2.19.	High-quality classroom discussion can support pupils to articulate key ideas, consolidate understanding and extend their vocabulary.
2.20.	Practice is an integral part of effective teaching; ensuring pupils have repeated opportunities to practise, with appropriate guidance and support, increases success.

### **Three – Curriculum and Assessment**

Learr	n that	Learn how to
3.1.	A school's curriculum enables it to set out the knowledge, skills and values that its pupils will learn, encompassing the national curriculum within a coherent wider vision for successful learning.	<ul> <li>Support colleagues to design a carefully sequenced, broad and coherent curricula, including by:</li> <li>3.a. Developing and valuing the subject expertise of teachers and subject leaders to build a collective understanding of the</li> </ul>
3.2.	School subjects are their own distinct disciplines which have reference points in disciplines and practices beyond the school.	inherent structures, key concepts, knowledge and skills within their subjects.
3.3.	The potential content of many subjects (especially literature, humanities and arts) is contestable and requires thoughtful, sustained review and engagement	3.b. Identifying examples of common misconceptions pupils may develop and promoting strategies for identifying and correcting misconceptions.
3.4.	with that subject discipline. Secure subject knowledge helps teachers to motivate pupils and teach effectively.	3.c. Sharing powerful analogies, illustrations, examples, explanations and demonstrations for colleagues to use in their teaching.
3.5.	Ensuring pupils master foundational concepts and knowledge before moving on is likely to build pupils' confidence and help them succeed.	3.d. Curating conversations and protecting curriculum development time in the interests of sustained, critical and rigorous curriculum improvement.
3.6.	Anticipating common misconceptions within particular subjects is also an important aspect of curricular knowledge; working closely with colleagues to develop an understanding of likely misconceptions is valuable.	<b>Support colleagues to develop pupils' literacy, including by:</b> 3.e. Ensuring all staff are aware that systematic synthetic phonics is the most effective approach for teaching pupils to decode, particularly those teaching early reading phonics.

3.7.	Evolicitly tooching numile the knowledge and skills they	2 f Identifying technical vessbulary across subjects and
3.7.	Explicitly teaching pupils the knowledge and skills they need to succeed within particular subject areas is beneficial.	3.f. Identifying technical vocabulary across subjects and working with colleagues to ensure that these words are explicitly taught to pupils and that the use of technical language is
3.8.	In order for pupils to think critically, they must have a	modelled for pupils during classroom talk.
	secure understanding of knowledge within the subject area they are being asked to think critically about.	3.g. Promoting the importance of domain and contextual knowledge and the role of foundation subjects in supporting
3.9.	In all subject areas, pupils learn new ideas by linking	reading.
	those ideas to existing knowledge, organising this knowledge into increasingly complex mental models (or "schemata"); carefully sequencing teaching to facilitate this process is important.	3.h. Sharing approaches that improve pupils' writing, such as modelling and combining reading and writing tasks.
3.10.	Pupils are likely to struggle to transfer what has been learnt in one discipline to a new or unfamiliar context.	Support colleagues to provide high-quality feedback, including by:
3.11.	To access the curriculum, early literacy provides fundamental knowledge; reading comprises two elements: word reading and language comprehension; systematic synthetic phonics is the most effective approach for teaching pupils to decode.	3.i. Working with school and subject leaders to develop a school feedback policy that ensures teachers know how to give accurate and clear feedback that provides specific guidance on how pupils can improve and can make use of peer and self-assessment.
3.12.	Every teacher can improve pupils' literacy, including by explicitly teaching reading, writing and oral language skills specific to individual disciplines.	3.j. Sharing examples of best practice in feedback that are likely to increase its effectiveness, (e.g. by sharing model work with pupils, and highlighting important details).
3.13.	Effective assessment is critical to teaching because it provides teachers with information about pupils' understanding and needs.	Encourage colleagues to use assessment that is high-quality and as reliable as possible without creating unnecessary workload, including by:
3.14.	Good assessment helps teachers avoid being over-	
	influenced by potentially misleading factors, such as how busy pupils appear.	3.k. Supporting colleagues to implement school feedback policies and assessment practices that help teachers draw conclusions about what pupils have learned by looking at patterns

3.15.	Before using any assessment, teachers should be clear about the decision it will be used to support and be able to justify its use.	of performance over a number of assessments. 3.I. Working with school and subject leaders to ensure that a body of well-designed, externally validated, summative
3.16.	To be of value, teachers use information from assessments to inform the decisions they make; in turn,	assessment resources exists and supporting the integration and understanding of these resources in curriculum planning.
	pupils must be able to act on feedback for it to have an effect.	3.m. Working with school leaders to ensure that the school feedback policy considers strategies to support workload
3.17.	High-quality feedback can be written or verbal; it is likely to be accurate and clear, encourage further effort, and provide specific guidance on how to improve.	management including by highlighting the value of verbal feedback, supporting the use of abbreviations and codes in written feedback, and prioritising the highlighting of errors related
3.18.	Over time, feedback should support pupils to monitor and regulate their own learning.	to misunderstandings, rather than careless mistakes. 3.n. Contributing to fair and transparent testing and/or
3.19.	Working with colleagues to identify efficient approaches to assessment is important; assessment can become onerous and have a disproportionate impact on workload.	examinations policies, processes and systems that are compliant with any external requirements.

### Four – Behaviour

Learr	that	Learn how to
4.1.	While classroom-level strategies have a big impact on pupil behaviour, consistency and coherence at a whole school level are paramount.	Support the development of a positive, predictable and safe environment for pupils, including by: 4.a. Contributing to the creation and consistent implementation
4.2.	Whole school changes usually take longer to embed than individually tailored or single-classroom approaches however, behaviour programmes are more likely to have an impact on attainment outcomes if implemented at a whole school level.	of a whole school approach to recognition, rules and sanctions that is predictable and built on good relationships between pupils and staff, complements the intended school culture and includes a clear approach to escalation of behaviour incidents.
4.3.	Teacher and pupil behaviours become ingrained and can be difficult to change, so most whole school behaviour	4.b. Explicitly teaching, and supporting colleagues to teach, model behaviours (including self-regulation) to pupils.
	policy or practice will likely take more than a school term to demonstrate impact.	4.c. Working with staff across the school to continuously refine and improve the behavioural approaches, considering information
4.4.	Some teachers will benefit from intensive support to improve their classroom management.	from colleagues and data. 4.d. Ensuring that every pupil has a supportive relationship with
4.5.	Despite consistent systems being beneficial for all pupils, universal behaviour systems are unlikely to meet the needs of all pupils all of the time. If pupils need more intensive support with their behaviour, the approach may need to be adapted to individual needs.	a member of staff. Support colleagues to create a positive, predictable and safe environment in their classrooms, including by:
4.6.	SENCOs, pastoral leaders and other specialist	4.e. Explaining the importance of rigorously maintaining clear behavioural expectations.
	colleagues also have valuable expertise and can ensure that appropriate support is in place for pupils.	4.f. Developing colleague's ability to respond consistently to pupil behaviour through thoughtful application of recognition, rules and sanctions in line with the school's approach; giving

		•
4.7.	Teaching model behaviours will reduce the need to manage misbehaviour.	manageable, specific and sequential instructions; using consistent language and non-verbal signals for common classroom
4.8.	Teachers should encourage pupils to be self-reflective of their own behaviour.	directions; using early and least-intrusive interventions as an initial response to low level disruption and responding quickly to any behaviour or bullying that threatens emotional safety.
4.9.	Establishing and reinforcing routines, including through positive reinforcement, can help create an effective learning environment.	4.g. Responding swiftly, supportively, and consistently to behaviour incidents that have been escalated by colleagues.
4.10.	A predictable and secure environment benefits all pupils, but is particularly valuable for pupils with special educational needs.	Motivate, and enable colleagues to motivate pupils, including by:
4.11.	The ability to self-regulate one's emotions affects pupils' ability to learn, success in school and future lives.	4.h. Ensuring it is clear to colleagues how the curriculum and extra-curricular activities can be related to pupil aspirations and
4.12.	Building effective relationships is easier when pupils believe that their feelings will be considered and	long-term goals, alongside being able to express the inherent value of mastering content.
	understood.	4.i. Encouraging colleagues to provide opportunities for pupils
4.13.	Pupils are motivated by intrinsic factors (related to their identity and values) and extrinsic factors (related to reward).	to articulate their long-term goals and helping them to see how these are related to their success in school.
4.14.	Pupils' investment in learning is also driven by their prior experiences and perceptions of success and failure.	Contribute to a whole school approach in assisting pupils who need more intensive support with their behaviour,
4.15.	Building effective relationships with parents, carers and	including by:
	families can improve pupils' motivation, behaviour and academic success.	4.j. Liaising with parents, carers and colleagues to better understand pupils' individual circumstances, and how they can be
4.16.	Pupil behaviour has multiple influences, some of which teachers can manage directly.	<ul><li>supported to meet high academic and behavioural expectations.</li><li>4.k. Identifying and applying specialist knowledge to policies</li></ul>
4.17.	While every person's behaviour and their motivations for it are complex and unique, the age of pupils, or their	and regulations relating to SEND (including reasonable adjustments), looked after children, children who have a social

	actual stage of development, can affect their behaviour in ways that are predictable.	worker, safeguarding and exclusions. 4.I. Supporting colleagues to select, adapt and consistently
4.18.	Understanding a pupil's context will inform effective responses to complex behaviour or misbehaviour.	use targeted, age/developmentally appropriate interventions without lowering expectations of any pupil's behaviour (e.g.
4.19.	There are influences on behaviour which teaching staff can affect directly, others where there is a potential for teaching staff to influence or advise, and a third category	functional behavioural assessment interventions and daily report cards).
	where influences may be outside the purview of teaching staff.	Prevent and respond to bullying, including by:
4.20.	Pupils who need a tailored approach to support their behaviour do not necessarily have a special educational need and children with special educational needs and disabilities will not necessarily need additional support with their behaviour.	4.m. Contributing to the creation and execution of a whole school anti-bullying approach including prevention work that encourages pupils to empathise with others, understand the harm caused by bullying and play an active role in supporting all their peers.
4.21.	A key influence on a child's behaviour in school is being the victim of bullying. As well as causing stress for the pupil, being bullied is linked to lower attainment and longer-term health and prosperity outcomes.	4.n. Communicating this whole school anti-bullying approac clearly and consistently to pupils, parents, colleagues and the wider community.

### **Five – Additional and Special Educational Needs and Disabilities**

Learr	n that	Learn how to
5.1.	The SEND Code of Practice (2015) and Equality Act (2010) state that all children and young people are entitled to an appropriate education, one that is appropriate to their needs, promotes high standards and the fulfilment of potential.	<ul> <li>Ensure all pupils experience success, including by:</li> <li>5.a. Ensuring that colleagues fulfil statutory duties with regard to the SEND Code of Practice (2015) and Equality Act (2010).</li> <li>5.b. Ensuring interventions and support from teaching</li> </ul>
5.2.	The SEND Code of Practice sets out four areas of need (communication and interaction; cognition and learning; social, emotional and mental health difficulties; and physical and/or sensory needs). Considering these primary needs is a useful first step, but a more detailed understanding of an individual pupil is required for action to be beneficial. Pupils with special educational needs or disabilities are likely to require additional or adapted support; working closely with colleagues, families and pupils to understand barriers and identify effective strategies is essential.	<ul> <li>assistants and other professionals are targeted and never used as a replacement for high-quality teaching.</li> <li>5.c. Sharing examples of how to adapt lessons with colleagues, while maintaining high expectations for all, so that all pupils can experience success.</li> <li>5.d. Enabling colleagues to adapt lessons, make reasonable adjustments and implement structured academic or behavioural interventions, which are well-matched to pupils' needs, before seeking a diagnosis or specialist support through the graduated approach as defined within the SEND Code of Practice.</li> </ul>
5.4.	Adapting teaching in a responsive way, including by providing targeted support to pupils who are struggling, is likely to increase pupil success.	Support colleagues to adapt their teaching to different pupil needs, including by:
5.5.	Pupils are likely to learn at different rates and to require different levels and types of support from teachers to	5.e. Sharing effective approaches for scaffolding new content and removing scaffolds over time.
	succeed.	5.f. Promoting different forms of assessment (including specialist assessments linked to each area of need), including

5.6.	Seeking to understand pupils' differences, including their different levels of prior knowledge and potential barriers to learning, is an essential part of teaching.	<ul><li>within lessons, to identify pupils who need further support.</li><li>5.g. Ensuring colleagues can draw on support when teaching children with special educational needs and disabilities,</li></ul>
5.7.	Adaptive teaching is less likely to be valuable if it causes the teacher to artificially create distinct tasks for different groups of pupils or to set lower expectations for particular pupils.	particularly the Special Educational Needs Co-ordinator (SENCO).
5.8.	Flexibly grouping pupils within a class to provide more tailored support can be effective, but care should be	Support colleagues to meet individual needs without creating unnecessary workload, including by:
	taken to monitor its impact on engagement and motivation, particularly for low attaining pupils.	5.h. Promoting use of well-designed resources (e.g. existing high quality curricula and textbooks).
5.9.	There is a common misconception that pupils have distinct and identifiable learning styles. This is not supported by evidence and attempting to tailor lessons to learning styles is unlikely to be beneficial.	5.i. Sharing effective approaches for intervening in lessons with individuals and small groups rather than planning different lessons for different groups of pupils or taking pupils out of classrooms for interventions during lessons.
		Ensure pupils are grouped effectively (across subjects and within individual classrooms), including by:
		5.j. Emphasising the need to maintain high expectations for all groups, and ensuring all pupils have access to a rich curriculum.
		5.k. Ensuring that any groups based on attainment are subject specific, avoiding the perception that these groups are fixed.

## Six – Professional Development

Learn	that	Learn how to
6.1.	Helping teachers improve through evidence-based professional development that is explicitly focused on improving classroom teaching can be a cost-effective way	Ensure colleagues take part in effective professional development, including by: 6.a. Supporting school leaders to align professional
	to improve pupils' academic outcomes when compared with other interventions, and can narrow the disadvantage attainment gap.	<ul><li>development with wider school improvement priorities.</li><li>6.b. Promoting the use of well-designed frameworks and</li></ul>
6.2.	Effective professional development is likely to involve a lasting change in teachers' capabilities or understanding so that their teaching changes.	resources across the school (e.g. sources of subject knowledge, the Early Career Framework and associated core induction programme for early career teachers, ITT Core Content Framework, suite of National Professional Qualifications).
6.3.	Professional development should be developed using a clear theory of change, where facilitators understand what the intended educational outcomes for teachers are and	6.c. Supporting teachers across the school to plan, test and implement new, evidence-informed ideas.
	how these will subsequently impact pupil outcomes. Ideally, they should check whether teachers learn what was intended.	6.d. Working with school leaders and colleagues to identify opportunities for staff within the school colleagues to facilitate professional development approaches.
6.4.	Whilst professional development may need to be sustained over time, what the time is used for, is more	6.e. Supporting teachers to continually develop specialist subject, phase and domain expertise.
6.5.	important than the amount. More effective professional development is likely to be designed to build on the existing knowledge, skills and	6.f. Supporting school leaders to identify teachers needs and make reasonable adjustments to professional development (e.g. to content, resources and venue).
6.6.	understanding of participants. The content of professional development programmes	6.g. Ensuring that any professional development time is used productively and that all colleagues perceive the relevance to their
	should be based on the best available evidence on effective pedagogies and classroom interventions, and	work. 6.h. Promoting school wide understanding of the Early Career

	aim to enhance capabilities and understanding in order to improve pupil outcomes.	Framework, the ITT Core Content Framework, the Teachers' Standards and the Standard for Teachers' Professional Development to the school's training and induction offer.
6.7.	Teachers are more likely to improve if they feel that they are working within a supportive professional environment, where both trust and high professional standards are	6.i. Supporting the induction process and ensuring early career teachers access their statutory entitlements.
6.8.	maintained. Supportive environments include having the time and resource to undertake relevant professional development and collaborate with peers, and the provision of feedback to enable teachers to improve. They also include	6.j. Ensuring that the professional environment for staff is supportive with sufficient time for high-quality dialogue and collaboration.
	receiving support from school leadership, both in addressing concerns and in maintaining standards for pupil behaviour.	Conduct, and support colleagues to conduct, regular expert- led conversations (which could be referred to as mentoring or coaching) about all aspects of teaching, including by:
6.9.	Teaching quality is a crucial factor in raising pupil attainment.	6.k. Building a relationship of trust and mutual respect between the individuals involved.
6.10.	Professional development is likely to be more effective when design and delivery involves specialist expertise from a range of sources. This may include internal or	6.I. Tailoring the conversation to the expertise and needs of the individual (e.g. adapting conversations to be more or less facilitative, dialogic or directive).
	external expertise.	6.m. Using approaches including observations of activities (e.g.
6.11.	Teacher developers should choose approaches that suit the aims and context of their professional development programme. Successful models have included regular, expert-led conversations about classroom practice, teacher development groups, and structured interventions. However, these activities do not work in all circumstances and the model should fit the educational aims, content and context of the programme.	teaching, presenting) or artefacts (e.g. assessment materials, curriculum plans, draft budgets, draft policies), listening, facilitating reflection and discussion through the asking of clear and intentional questions, and receiving actionable feedback wit opportunities to test ideas and practise implementation of new approaches.
6.12.	All schools with early career teachers undertaking statutory induction must adhere to the regulations and	

re	elevant statutory guidance.
ac ur	School staff with disabilities may require reasonable adjustments; working closely with these staff to understand barriers and identify effective strategies is essential.

## Seven – Organisational Management

Lear	n that	Learn how to
<ul> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>7.5.</li> <li>7.6.</li> <li>7.7.</li> <li>7.8.</li> </ul>	Leaders have a duty of care to pupils and staff. All staff have a responsibility to provide a safe environment in which children can learn. Schools and colleges and their staff are an important part of the wider safeguarding system for children. Good financial, human and educational resource management, strategic planning, employee relations and risk management are the foundations of a good school. Schools are public bodies and so have a duty to use all public money in the public interest. Different types of schools are funded through different mechanisms. Each mechanism has different financial regulations associated with it. Different types of employees have different terms and conditions. A senior leader should play a major role in managing staff and resources under the overall direction of the headteacher.	<ul> <li>Contribute to the protection and safety of pupils and colleagues, including by:</li> <li>7.a. Ensuring safeguarding is the first priority of every colleague in the school.</li> <li>7.b. Understanding and complying with the law and statutory guidance related to safeguarding (including Keeping Children Safe in Education) and health and safety.</li> <li>7.c. Working with other agencies (e.g. children's social care teams) to share information and support wider child protection work.</li> <li>7.d. Contributing to clear, effective safeguarding and health and safety policies, processes and systems within the school.</li> <li>Contribute to effective systems, processes and policies for managing admissions, exclusions and appeals, including by:</li> <li>7.e. Understanding and complying with the relevant law and statutory guidance.</li> <li>7.f. Contributing to fair and inclusive policies, processes and systems.</li> </ul>

<ul> <li>7.g. Ensuring that colleagues understand and carry out their responsibilities including complying with data, recording and reporting requirements.</li> <li>7.h. Contributing to best practice in planning, commissioning and monitoring alternative provision.</li> </ul>
Contribute to the prioritisation, allocation and management of resources (including financial, human and educational) to ensure sustainability, including by:
7.i. Understanding the financial mechanisms (and associated regulations) through which the school is funded.
7.j. Recognising that there is a strong connection between strategic decisions and the associated resource implications (e.g. using Integrated Curriculum and Financial Planning to ensure that the timetable delivers the school's curriculum priorities within the available budget) and using this knowledge to inform decision making.
<ol><li>Considering the opportunity cost of any allocation decisions.</li></ol>
7.I. Contributing to proposing a prudent budget to those responsible for governance and enabling clear, effective financial policies, processes and systems within the school (e.g. procurement, audit, expenses).
7.m. Understanding how financial benchmarking information can inform the school's spending decisions.

7.n. Understanding how to read accounts, statements and forecasts, and using this to appropriately monitor the budget and assist with financial planning.
7.o. Where relevant, contribute to developing a technology infrastructure that is good value for money, supports school operations and teaching, and is safe and secure.
7.p. Where relevant, contribute to ensuring that school premises are secure, well maintained and meet any statutory requirements (e.g. health and safety or hygiene in any dining areas).
7.q. Drawing on the experience and expertise of colleagues with specialist knowledge in organisational management.
Recruit, develop, support and appropriately manage colleagues (including non-teaching colleagues), including by:
7.r. Contributing to ensuring recruitment and appointment processes are broad and inclusive, and based on open and fair criteria, to attract the best range of candidates for all roles.
7.s. Having high expectations, communicating regularly and clearly, considering staff motivations and workload, prioritising staff professional development, and holding colleagues to account for their performance.
7.t. Contributing to ensuring that all school leaders recognise that assessing teacher expertise through singular approaches (e.g. lesson observations) is limited and that they should use

multiple methods of data collection to make inferences about teacher quality.
7.u. Understanding and adhering to the law and statutory guidance related to employment (including management of misconduct, grievances, redundancy, flexible working, equality and reasonable adjustments) and policy and processes related to pay and conditions.
7.v. Considering the expertise different colleagues have and deploying and delegating to staff to maximise the use of that expertise.
7.w. Contributing to creating and regularly reviewing succession plans in collaboration with those responsible for governance, particularly for critical roles across the school.
7.x. Contributing to the creation of clear, effective HR policies, processes and systems (e.g. induction).
Contribute to the identification, management and mitigation of risk, including by:
7.y. Contributing to the creation and implementation of policies, processes and systems that ensure all colleagues act in accordance with the law and statutory guidance while empowering professionals to exercise their judgement where necessary.
7.z. Contributing to the creation of policies, processes and systems that are well designed (e.g. are clear and proportionate) and consistently implemented to avoid significant negative effects on professional culture and workload.

7.aa. Contributing to an approach to risk management that involves regular review and reporting and considers the likelihood and impact of any risk (including significant emergencies) alongside any mitigating actions and contingencies.
7.ab. Contributing to the creation of systems for feedback that allow policies, processes and systems to be reviewed and improved.

### **Eight – Implementation**

One of the characteristics of effective schools, in addition to *what* they implement, is *how* they put those approaches into practice. This section sets out some important principles of implementation: the process of making, and acting on, effective evidence-informed decisions. The principles and activities can be applied to a range of different school improvement decisions - programmes or practices; whole school or targeted approaches; internally or externally generated ideas. The statements should be treated as guiding principles and activities, rather than as a rigid set of steps.

Whilst the principles of good implementation remain the same as leadership responsibilities increase, the emphasis changes, including: a wider scope of influence (e.g. from within a team to across multiple teams), greater complexity (e.g. managing multiple implementation efforts), and more strategic implementation roles (e.g. creating the overall climate).

Learr	n that	Learn how to
8.1.	Implementation is an ongoing process that must adapt to context over time, rather than a single event. It involves the application of specific implementation activities and principles over an extended period (e.g. implementation planning, ongoing monitoring).	Plan and execute implementation in stages by: 8.a. Ensuring that implementation is a structured process, where school leaders actively plan, prepare, deliver and embed changes.
8.2.	Successful implementation requires expert knowledge of the approach that is being implemented and the related	8.b. Prioritising appropriately by making a limited number of meaningful strategic changes and pursuing these diligently.
	area of practice (e.g. behaviour), which is shared amongst staff.	8.c. Reviewing and stopping ineffective practices before implementing new ones.
8.3.	Implementation should involve repurposing existing processes and resources (e.g. governance, data collection) rather than creating a separate set of procedures.	Make the right choices on what to implement by:
8.4.	Effective implementation begins by accurately diagnosing	8.d. Identifying a specific area for improvement using a robust diagnostic process, focusing on the problem that needs solving,

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8.5.	the problem and making evidence-informed decisions on	rather than starting with a solution.
	what to implement. Thorough preparation is important: time and care spent planning, communicating and resourcing the desired changes provides the foundation for successful delivery. Teachers and leaders should keep checking how ready	8.e. Providing credible interpretations of reliable data, which focus on pupils' knowledge and understanding.
		8.f. Examining current approaches, how they need to change and the support required to do so.
	their colleagues are to make the planned changes.	8.g. Adopting new approaches based on evidence of what has
8.6.	Implementing an approach with fidelity (i.e. as intended) increases the chance of it impacting positively on school practices and pupil outcomes. Any approach should	(and has not) worked before, using both internal and external evidence (e.g. pupil outcome data and research-based guidance).
	specify which features of the approach need to be adopted closely and where there is scope for adaptation.	8.h. Ensuring it is suitable for the school context, recognising the parameters within which the change will operate (e.g. school policies) and where the school is in its development trajectory.
8.7.	A combination of integrated activities is likely to be needed to support implementation (e.g. training, monitoring, feedback) rather than any single activity. Follow-on support (e.g. through high-quality coaching) is key to embedding new skills and knowledge developed during initial training.	policies) and where the school is in its development trajectory (e.g. addressing any significant behaviour problems would be an immediate priority).
		8.i. Assessing and adapting plans based on the degree to which colleagues are ready to implement the approach (e.g. current staff motivation, expertise, training and development).
8.8.	Delivery of a new approach is a learning process – expect challenges but aim for continuous improvement. Monitoring implementation is an essential tool in	
		Prepare appropriately for the changes to come by:
	identifying, and acting on, problems and solutions.	<ol><li>8.j. Being explicit about what will be implemented, and the overall desired outcomes.</li></ol>
8.9.	The confidence to make good implementation decisions is derived, in part, from confidence in the data on which those decisions are based. Reliable monitoring and evaluation enables schools to make well-informed choices, and to see how their improvement efforts are impacting on teacher knowledge, classroom practices and pupil outcomes.	8.k. Specifying the elements of the approach that appear critical to its success (i.e. the 'active ingredients') and communicating expectations around these with clarity.
		8.I. Developing a clear, logical and well specified implementation plan, and using this plan to build collective

8.10.	A school's capacity to implement an approach is rarely static (e.g. staff leave, contexts change). Sustained implementation requires leaders to keep supporting and rewarding the appropriate use of an approach and checking it is still aligned with the overall strategy and context.	understanding and ownership of the approach. 8.m Using an integrated set of implementation activities that work at different levels in the school (e.g. individual teachers, whole school changes).
8.11.	Implementation benefits from dedicated but distributed school leadership. Senior leaders should provide a clear vision and direction for the changes to come. At the same time, implementation is a complex process that requires feedback from staff and shared leadership responsibilities.	<ul> <li>Deliver changes by:</li> <li>8.n. Managing expectations and encouraging 'buy-in' until positive signs of changes emerge.</li> <li>8.o. Monitoring implementation (including by clearly assigning and following up on the completion of critical tasks) and using this</li> </ul>
8.12.	Implementation processes are influenced by, but also influence, school climate and culture. Implementation is easier when staff feel trusted to try new things and make mistakes, safe in the knowledge that they will be supported with resources, training, and encouragement to keep improving.	<ul> <li>information to tailor and improve the approach over time (e.g. identifying a weak area of understanding and providing further training).</li> <li>8.p. Reinforcing initial training with expert follow-on support within the school.</li> <li>8.q. Prioritising the 'active ingredients' of the approach until they are securely understood and implemented, and then, if needed, introducing adaptations.</li> </ul>
		Sustain changes by:
		8.r. Using reliable monitoring and evaluation to review how the implementation activities are meeting the intended objectives and continue to align with school improvement priorities.
		8.s. Continuing to model, acknowledge, support, recognise and reward good practice.
		8.t. Treating scale-up of an approach as a new implementation

	process (e.g. from one department to another).
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## Nine – Working in Partnership

Learr	that	Learn how to
9.1.	Good relationships and partnerships are a foundation of a good school.	<b>Work in partnership with parents and carers, including by:</b> 9.a. Providing practical approaches to support parents and
9.2.	Building effective relationships with parents, carers and families can improve pupils' motivation, behaviour and academic success.	carers to help their children with learning at home including promoting reading; establishing a regular routine; good homework habits; setting goals, planning, and managing their time, effort,
9.3.	There is an established link between the home learning environment at all ages and children's performance at school. However, evidence on effective strategies that schools can use to engage parents/carers in their children's education is mixed.	<ul> <li>and emotions.</li> <li>9.b. Communicating carefully to encourage positive, two-way dialogue about learning, focussing on building parents/carers' efficacy and avoiding stigmatising, blaming, or discouraging parents/carers, and ensuring staff communicate in the same way.</li> </ul>
9.4.	If the aim is solely to improve academic outcomes, classroom interventions working directly with children currently have more evidence of effectiveness at improving educational outcomes than parenting interventions with the same aim.	9.c. Planning carefully for group-based parenting initiatives (e.g. regular workshops) ensuring that the time and location is convenient, recruitment is face-to-face, relationships are built on trust and the environment is informal and welcoming.
9.5.	Working effectively with parents/carers can be challenging, and is likely to require sustained effort and support.	9.d. Offering more structured, evidence-based programmes to develop positive behaviour and consistency where needed, starting by assessing needs and asking parents and carers about
9.6.	Sharing effective practice between schools, and building capacity and effective mechanisms for doing so, is key to closing the attainment gap. To improve performance school leaders need to collaborate and work with colleagues and other relevant professionals within and beyond the school, including relevant external agencies	what would help them. 9.e. Where appropriate, considering offering regular home visits for younger children with greater needs. This can be an effective

and bodies.	<ul> <li>approach for parents and carers that struggle to attend meetings, and for building relationships.</li> <li>9.f. Handling parental complaints effectively by developing a fair and non-adversarial procedure that is easy to use and understand.</li> </ul>
	Contribute to working in partnership with other schools and school trusts alongside the community and other organisations including professional associations and local authorities, including by:
	9.g. Clarifying, in writing where appropriate, the purpose of the partnership and the commitments and/or duties each partner has to it.
	9.h. Understanding the full range of organisations around a school, how they interact with the school and each other, and any statutory relationships or duties that exist between organisations.
	9.i. Establishing clear, open communications between organisations with nominated 'relationship holders' and clear escalation points where appropriate.
	9.j. Contributing expertise to existing networks and partnerships.
	9.k. Acting as a credible public advocate when required through a carefully thought through approach to engagement with the media and use of other communication channels (e.g. social media, newsletters, websites).

# **Ten – Governance and Accountability**

Learn that	Learn how to
<ul> <li>10.1. High quality effective and ethical governance is key to success in our school system.</li> <li>10.2. Different types of school structures have different governance and accountability arrangements. Each set of arrangements has different regulations and statutory duties and therefore different policies, processes and systems associated with it.</li> <li>10.3. School leaders are accountable for their decisions and actions and must submit themselves to the scrutiny necessary to ensure this.</li> <li>10.4. School leaders have a responsibility to ensure that staff know, understand and are held to account for their professional responsibilities.</li> </ul>	<ul> <li>Begin to appropriately participate in governance, and fulfil obligations to give account, be challenged, and accept responsibility, including by:</li> <li>10.a. Understanding the governance arrangements of the school, the respective roles (including the chair and the clerk), and the policies, processes and systems associated with it.</li> <li>10.b. Understanding and, where relevant, applying the Governance handbook and Academies Financial Handbook to the creation and continuous improvement of policies, processes and systems.</li> <li>10.c. Preparing and presenting formal papers that are clear, concise and accurate.</li> <li>10.d. Building professional working relationships with those in governance roles (including the chair and the clerk).</li> <li>Begin to appropriately participate in and fulfil obligations to external organisations including the Department for Education, Ofsted, the Education and Skills Funding Agency, Local Authority and auditors, including by:</li> <li>10.e. Adhering to the Principles of Public Life at all times.</li> </ul>

10.f. Applying a good understanding of the law, statutory guidance and regulatory frameworks to decisions, processes and systems.
10.g. Contributing to submitting timely, accurate reports and participating in inspections or reviews as required.
10.h. Building professional working relationships with those in external accountability organisations.
10.i. Understanding the roles and responsibilities involved in more complex partnerships involving pupils (e.g. health, education and children's services organisations in an Education and Health Care Plan, and where pupils are in alternative provision).

## References

### **School Culture**

Bandura, A. (1986) Social foundations of thought and action: a social cognitive theory. Englewood Cliffs, NJ: Prentice-Hall.

Campbell Collaboration (2018). School-based interventions for reducing disciplinary school exclusion: A Systematic Review. [Online] Accessible from: <u>https://campbellcollaboration.org/library/reducing-school-exclusion-school-based-interventions.html</u> [retrieved 10 August 2020].

Chapman, R. L., Buckley, L., & Sheehan, M. (2013). School-Based Programs for Increasing Connectedness and Reducing Risk Behavior: A Systematic Review. *Educational Psychology Review*, *25*(1), 95–114.

Education Endowment Foundation (2018). Sutton Trust-Education Endowment Foundation Teaching and Learning Toolkit. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Behaviour interventions. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/resources/teaching-learning-toolkit/behaviour-interventions</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Social and emotional learning. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/social-and-emotional-learning/</u>[retrieved 10 October 2018].

Gutman, L. & Schoon, L. (2013). The impact of non-cognitive skills on the outcomes of young people. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/public/files/Presentations/Publications/Non-cognitive\_skills\_literature\_review\_1.pdf</u> [retrieved 7 October 2020]

Institute of Education Sciences (2008). Reducing Behavior Problems in the Elementary School Classroom. [Online] Accessible from <a href="https://ies.ed.gov/ncee/wwc/PracticeGuide/4">https://ies.ed.gov/ncee/wwc/PracticeGuide/4</a> [retrieved 10 August 2020].

Johnson, S. K., Buckingham, M. H., Morris, S. L., Suzuki, S., Weiner, M. B., Hershberg, R. M., ... Lerner, R. M. (2016). Adolescents' Character Role Models: Exploring Who Young People Look Up to as Examples of How to Be a Good Person. *Research in Human Development*, *13*(2), 126–141. <u>https://doi.org/10.1080/15427609.2016.1164552</u>.

Jussim, L., & Harber, K. D. (2005). Teacher expectations and self-fulfilling prophecies: knowns and unknowns, resolved and unresolved controversies. *Personality and social psychology review : an official journal of the Society for Personality and Social Psychology, Inc*, 9(2), 131–155. <u>https://doi.org/10.1207/s15327957pspr0902\_3</u>.

Lazowski, R. A., & Hulleman, C. S. (2016). Motivation Interventions in Education: A Meta-Analytic Review. *Review of Educational Research*, *86*(2), 602–640. <u>https://doi.org/10.3102/0034654315617832</u>.

Murdock-Perriera, L. A., & Sedlacek, Q. C. (2018). Questioning Pygmalion in the twenty-first century: the formation, transmission, and attributional influence of teacher expectancies. *Social Psychology of Education*, *21*(3), 691–707. <u>https://doi.org/10.1007/s11218-018-9439-9</u>.

OECD (2015). Do teacher-student relations affect students' well-being at school? *PISA in Focus*, *50*, <u>https://doi.org/10.1787/5js391zxjjf1-en</u>.

Rathmann K., Herke M., Hurrelmann K., Richter M. (2018). Perceived class climate and school-aged children's life satisfaction: The role of the learning environment in classrooms. *PLoS ONE 13*(2): e0189335. <u>https://doi.org/10.1371/journal.pone.0189335</u>.

Rubie-Davies, C. M., Weinstein, R. S., Huang, F. L., Gregory, A., Cowan, P. A., & Cowan, C. P. (2014). Successive teacher expectation effects across the early school years. *Journal of Applied Developmental Psychology*, *35*(3), 181–191. <u>https://doi.org/10.1016/j.appdev.2014.03.006</u>.

Tsiplakides, I. & Keramida, A. (2010). The relationship between teacher expectations and student achievement in the teaching of English as a foreign language. *English Language Teaching, 3*(2), P22. <u>http://files.eric.ed.gov/fulltext/EJ1081569.pdf</u>.

Wubbels, T., Brekelmans, M., den Brok, P., Wijsman, L., Mainhard, T., & van Tartwijk, J. (2014) Teacher-student relationships and classroom management. In E. T. Emmer, E. Sabornie, C. Evertson, & C. Weinstein (Eds.). *Handbook of classroom management: Research, practice, and contemporary issues* (2nd ed., pp. 363–386). New York, NY: Routledge.

Yeager, D. S., & Walton, G. M. (2011). Social-Psychological Interventions in Education: They're Not Magic. *Review of Educational Research*, *81*(2), 267–301. <u>https://doi.org/10.3102/0034654311405999</u>.

#### Teaching

Adesope, O. O., Trevisan, D. A., & Sundararajan, N. (2017). Rethinking the Use of Tests: A Meta-Analysis of Practice Testing. *Review of Educational Research*, *87*(3), 659–701. <u>https://doi.org/10.3102/0034654316689306</u>.

Agarwal, P. K., Finley, J. R., Rose, N. S., & Roediger, H. L. (2017). Benefits from retrieval practice are greater for students with lower working memory capacity. *Memory*, *25*(6), 764–771. <u>https://doi.org/10.1080/09658211.2016.1220579</u>.

Alexander, R. (2017). Towards Dialogic Teaching: rethinking classroom talk. York: Dialogos.

Baddeley, A. (2003). Working memory: looking back and looking forward. *Nature reviews neuroscience, 4*(10), 829-839.

Bennett, T. (2015) Group work for the good. *American Educator, Spring*. Accessible from: <u>https://files.eric.ed.gov/fulltext/EJ1063868.pdf</u>.

Black, P., & Wiliam, D. (2009). Developing the theory of formative assessment. *Educational Assessment, Evaluation and Accountability, 21*(1), pp.5-31.

Chi, M. T. (2009). Three types of conceptual change: Belief revision, mental model transformation, and categorical shift. In *International handbook of research on conceptual change* (pp. 89-110). Routledge.

Clark, R., Nguyen, F. & Sweller, J. (2006). *Efficiency in Learning: Evidence-Based Guidelines to Manage Cognitive Load*. John Wiley & Sons.

Coe, R., Aloisi, C., Higgins, S., & Major, L. E. (2014). *What makes great teaching? Review of the underpinning research.* Durham University: UK. <u>http://bit.ly/20vmvKO</u>.

Cowan, N. (2008). What are the differences between long-term, short-term, and working memory?. *Progress in brain research, 169*, 323-338.

Deans for Impact (2015). The Science of Learning [Online] Accessible from: <u>https://deansforimpact.org/resources/the-science-of-learning/</u> [retrieved 10 October 2018].

Donker, A. S., de Boer, H., Kostons, D., Dignath van Ewijk, C. C., & van der Werf, M. P. C. (2014). Effectiveness of learning strategy instruction on academic performance: A meta-analysis. *Educational Research Review, 11*, 1–26. <u>https://doi.org/10.1016/j.edurev.2013.11.002</u>.

Dunlosky, J., Rawson, K. A., Marsh, E. J., Nathan, M. J., & Willingham, D. T. (2013). Improving students' learning with effective learning techniques: Promising directions from cognitive and educational psychology. *Psychological Science in the Public Interest, Supplement, 14*(1), 4–58. <u>https://doi.org/10.1177/1529100612453266</u>.

Education Endowment Foundation (2016). Improving Literacy in Key Stage One Guidance Report. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/literacy-ks-1/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2017). Dialogic Teaching: Evaluation Report. [Online] Accessible from: <a href="https://educationendowmentfoundation.org.uk/projects-and-evaluation/projects/dialogic-teaching">https://educationendowmentfoundation.org.uk/projects-and-evaluation/projects/dialogic-teaching</a> [retrieved 10 October 2018].

Education Endowment Foundation (2017). Improving Mathematics in Key Stages Two and Three Guidance Report. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/maths-ks-2-3/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2017). Metacognition and Self-regulated Learning Guidance Report. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/metacognition-and-self-regulated-learning/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Improving Secondary Science Guidance Report. [Online] Accessible from: <a href="https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-secondary-science/">https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-secondary-science/</a> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Collaborative Learning. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/collaborative-learning/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Homework (Primary). [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/homework-primary/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Homework (Secondary). [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/homework-secondary/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Oral Language Interventions. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/oral-language-interventions/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Peer Tutoring. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/peer-tutoring/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Within-class attainment groupings. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/within-class-attainment-grouping/</u> [retrieved 15 October 2018].

Elleman, A. M., Lindo, E. J., Morphy, P., & Compton, D. L. (2009). The Impact of Vocabulary Instruction on Passage-Level Comprehension of School-Age Children: A Meta-Analysis. *Journal of Research on Educational Effectiveness, 2*(1), 1–44. https://doi.org/10.1080/19345740802539200. Gathercole, S. E., Lamont, E., & Alloway, T. P. (2006). Working memory in the classroom. *Working memory and education*, 219-240.

Gersten, R., Beckmann, S., Clarke, B., Foegen, A., Marsh, L., Star, J. R., & Witzel, B. (2009). *Assisting students struggling with mathematics: Response to Intervention (RtI) for elementary and middle schools* (NCEE 2009-4060). Washington, DC: National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education. <u>https://ies.ed.gov/ncee/wwc/Docs/PracticeGuide/rti\_math\_pg\_042109.pdf</u>.

Hattie, J. (2012) Visible Learning for Teachers. Oxford: Routledge.

Kalyuga, S. (2007). Expertise reversal effect and its implications for learner-tailored instruction. *Educational Psychology Review*, *19*(4), 509-539.

Kirschner, P., Sweller, J., & Clark, R. E. (2006). Why Minimal Guidance During Instruction Does Not Work: An Analysis of the Failure of Constructivist, Discovery, Problem-Based, Experiential, and Inquiry-Based Teaching. *Educational Psychologist, 41*(2), 75–86. <u>https://doi.org/10.1207/s15326985ep4102\_1</u>.

Kirschner, P., Sweller, J., Kirschner, F. & Zambrano, J. (2018). From cognitive load theory to collaborative cognitive load theory. In *International Journal of Computer-Supported Collaborative Learning*, *13*(2), 213-233.

Muijs, D., & Reynolds, D. (2017). *Effective teaching: Evidence and practice*. Thousand Oaks, CA: Sage.

Pan, S. C., & Rickard, T. C. (2018). Transfer of test-enhanced learning: Meta-analytic review and synthesis. *Psychological Bulletin, 144*(7), 710–756. <u>https://doi.org/10.1037/bul0000151</u>.

Pashler, H., Bain, P., Bottge, B., Graesser, A., Koedinger, K., McDaniel, M., and Metcalfe, J. (2007). Organizing Instruction and Study to Improve Student Learning (NCER 2007-2004). Washington, DC: National Center for Education Research, Institute of Education Sciences, U.S. Department of Education. <u>https://files.eric.ed.gov/fulltext/ED498555.pdf</u>.

Roediger, H. L., & Butler, A. C. (2011). The critical role of retrieval practice in long-term retention. *Trends in Cognitive Sciences, 15*(1), 20–27. <u>https://doi.org/10.1016/j.tics.2010.09.003</u>.

Rosenshine, B. (2012). Principles of Instruction: Research-based strategies that all teachers should know. *American Educator*, *36*, 12–20. <u>https://www.aft.org/sites/default/files/periodicals/Rosenshine.pdf</u>.

Simonsmeier, B. A., Flaig, M., Deiglmayr, A., Schalk, L., & Well-being, S. (2018). *Domain-Specific Prior Knowledge and Learning: A Meta-Analysis Prior Knowledge and Learning Domain-Specific Prior Knowledge and Learning: A Meta-Analysis* Universität Trier, Germany PH Schwyz, Switzerland, (February).

Sweller, J. (2012). Human cognitive architecture: Why some instructional procedures work and others do not. In K. Harris, S. Graham & T. Urdan (Eds.), *APA Educational Psychology Handbook* (Vol. 1, pp. 295-325). Washington, D.C.: American Psychological Association.

Tereshchenko, A., Francis, B., Archer, L., Hodgen, J., Mazenod, A., Taylor, B., Travers, M. C. (2018). Learners' attitudes to mixed-attainment grouping: examining the views of students of high, middle and low attainment. *Research Papers in Education*, *1522*, 1–20. <u>https://doi.org/10.1080/02671522.2018.1452962</u>.

Van de Pol, J., Volman, M., Oort, F., & Beishuizen, J. (2015). The effects of scaffolding in the classroom: support contingency and student independent working time in relation to student achievement, task effort and appreciation of support. *Instructional Science*, *43*(5), 615-641.

Willingham, D. T. (2009). Why don't students like school? San Francisco, CA: JosseyBass.

Wittwer, J., & Renkl, A. (2010) How Effective are Instructional Explanations in Example-Based Learning? A Meta-Analytic Review. *Educational Psychology Review*, 22(4), 393–409. <u>https://doi.org/10.1007/s10648-010-9136-5</u>.

Zimmerman, B. J. (2002) Becoming a Self-Regulated Learner: An Overview, Theory Into Practice. *Theory Into Practice*, *41*(2), 64–70. <u>https://www.jstor.org/stable/1477457?seq=1#page\_scan\_tab\_contents.</u>

#### **Curriculum and Assessment**

Bailin, S., Case, R., Coombs, J. R., & Daniels, L. B. (1999). Common misconceptions of critical thinking. *Journal of Curriculum Studies*, *31*(3), 269-283.

Biesta, G. (2009). Good education in an age of measurement: on the need to reconnect with the question of purpose in education. *Educational Assessment, Evaluation and Accountability, 21*(1).

Black, P., & Wiliam, D. (2009). Developing the theory of formative assessment. *Educational Assessment, Evaluation and Accountability, 21*(1), pp.5-31.

Christodoulou, D. (2017). *Making Good Progress: The Future of Assessment for Learning.* Oxford: OUP.

Coe, R. (2013) *Improving Education: A triumph of hope over experience*. Centre for Evaluation and Monitoring. Accessible from: <a href="http://www.cem.org/attachments/publications/ImprovingEducation2013.pdf">http://www.cem.org/attachments/publications/ImprovingEducation2013.pdf</a>.

Coe, R., Aloisi, C., Higgins, S., & Major, L. E. (2014). *What makes great teaching. Review of the underpinning research.* Durham University: UK. Accessible from: <u>http://bit.ly/20vmvKO</u>

Cowan, N. (2008). What are the differences between long-term, short-term, and working memory?. *Progress in brain research, 169*, 323-338.

Deans for Impact (2015). The Science of Learning [Online] Accessible from: <u>https://deansforimpact.org/resources/the-science-of-learning/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2016). A marked improvement? A review of the evidence on written marking. [Online] Accessible from:

https://educationendowmentfoundation.org.uk/public/files/Presentations/Publications/EEF\_Marking\_Review\_April\_2016.pdf [retrieved 14 July 2020]. Education Endowment Foundation (2018). Embedding Formative Assessment: Evaluation Report. [Online] Accessible from: <a href="https://educationendowmentfoundation.org.uk/public/files/EFA\_evaluation\_report.pdf">https://educationendowmentfoundation.org.uk/public/files/EFA\_evaluation\_report.pdf</a> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Improving Secondary Science Guidance Report. [Online] Accessible from: <a href="https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-secondary-science/">https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-secondary-science/</a> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Preparing for Literacy Guidance Report. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/public/files/Publications/Literacy/Preparing\_Literacy\_Guidance\_2018.pdf</u> retrieved 14 July 2020].

Education Endowment Foundation (2018). Toolkit: Feedback. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/feedback/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Mastery approaches. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/mastery-learning/</u> [retrieved 14 July 2020].

Education Endowment Foundation (2018). Toolkit: Phonics. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/phonics/</u> [retrieved 14 July 2020].

Gibson, S., Oliver, L. and Dennison, M. (2015). *Workload Challenge: Analysis of teacher consultation responses*. Department for Education. Accessible from:

<u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/401406/RR445</u> - <u>Workload\_Challenge - Analysis\_of\_teacher\_consultation\_responses\_FINAL.pdf</u>

Guzzetti, B. J. (2000). Learning counter-intuitive science concepts: What have we learned from over a decade of research? *Reading & Writing Quarterly: Overcoming Learning Difficulties, 16,* 89–98. <u>http://dx.doi.org/10.1080/105735600277971</u>.

Hattie, J., & Timperley, H. (2007). The Power of Feedback. *Review of Educational Research*, 77(1), 81–112. https://doi.org/10.3102/003465430298487. Jerrim, J., & Vignoles, A. (2016). The link between East Asian "mastery" teaching methods and English children's mathematics skills. *Economics of Education Review*, *50*, 29-44. <u>https://doi.org/10.1016/j.econedurev.2015.11.003</u>.

Kluger, A. N., & Denisi, A. (1996). The effects of feedback interventions on performance: A historical review, a meta-analysis, and a preliminary feedback intervention theory. *Psychological Bulletin*, *119*(2), 254–284. <u>https://doi.org/10.1037/0033-</u>2909.119.2.254.

Loewenberg Ball, D., Thames, M. H., & Phelps, G. (2008). Content Knowledge for Teaching: What Makes It Special? *Journal of Teacher Education*, *59*(5), 389–407. [Online] Accessible from: <u>https://www.math.ksu.edu/~bennett/onlinehw/qcenter/ballmkt.pdf</u>.

Machin, S., McNally, S., & Viarengo, M. (2018). Changing how literacy is taught: Evidence on synthetic phonics. *American Economic Journal: Economic Policy*, *10*(2), 217–241. <u>https://doi.org/10.1257/pol.20160514</u>.

Rich, P. R., Van Loon, M. H., Dunlosky, J., & Zaragoza, M. S. (2017). Belief in corrective feedback for common misconceptions: Implications for knowledge revision. Journal of Experimental Psychology: *Learning, Memory, and Cognition, 43*(3), 492-501. http://dx.doi.org/10.1037/xlm0000322.

Rosenshine, B. (2012). Principles of Instruction: Research-based strategies that all teachers should know. *American Educator*, 12–20. <u>https://www.aft.org//sites/default/files/periodicals/Rosenshine.pdf</u>.

Sadler, D. (1989). Formative assessment and the design of instructional systems. *Instructional Science*, 18(2), pp.119-144.

Scott, C. E., McTigue, E. M., Miller, D. M., & Washburn, E. K. (2018). The what, when, and how of preservice teachers and literacy across the disciplines : A systematic literature review of nearly 50 years of research. *Teaching and Teacher Education*, 73, 1–13. <u>https://doi.org/10.1016/j.tate.2018.03.010</u>.

Shanahan, T. (2005). The National Reading Panel Report: Practical Advice for Teachers. Accessible from: <u>https://files.eric.ed.gov/fulltext/ED489535.pdf</u>.

Sweller, J., van Merrienboer, J. J. G., & Paas, F. G. W. C. (1998). Cognitive Architecture and Instructional Design. *Educational Psychology Review*, *10*(3), 251–296. <u>https://link.springer.com/article/10.1023/A:1022193728205</u>.

Wiliam, D. (2010). What Counts as Evidence of Educational Achievement? The Role of Constructs in the Pursuit of Equity in Assessment. *Review of Research in Education, 34*, pp. 254-284

Wiliam, D. (2017). Assessment, marking and feedback. In Hendrick, C. and McPherson, R. (Eds.) *What Does This Look Like in the Classroom? Bridging the gap between research and practice.* John Catt.

Willingham, D. T. (2002). Ask the Cognitive Scientist. Inflexible Knowledge: The First Step to Expertise. *American Educator,* 26(4), 31-33. Accessible from: <u>https://www.aft.org/periodical/american-educator/winter-2002/ask-cognitive-scientist-inflexible-knowledge</u>

Wynne Harlen & Mary James (1997). Assessment and Learning: differences and relationships between formative and summative assessment, *Assessment in Education: Principles, Policy & Practice, 4*(3), 365-379

#### **Behaviour**

Bennett, J., Lubben, F., & Hogarth, S. (2006). Bringing Science to Life: A Synthesis of the Research Evidence on the Effects of Context-Based and STS Approaches to Science Teaching. *Science Education*, *91*(1), 36–74. Accessible from: https://www.york.ac.uk/media/educationalstudies/documents/staff-docs/Bennett%20Lubben%20Hogarth%202007.pdf.

Carroll, J., Bradley, L., Crawford, H., Hannant, P., Johnson, H., & Thompson, A. (2017). SEN support: A rapid evidence assessment. Accessible from:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/628630/DfE\_SEN\_Support\_R EA\_Report.pdf.

Chapman, R. L., Buckley, L., & Sheehan, M. (2013). School-Based Programs for Increasing Connectedness and Reducing Risk Behavior: A Systematic Review, *25*(1), 95–114.

Coe, R., Aloisi, C., Higgins, S., & Major, L. E. (2014). *What makes great teaching? Review of the underpinning research*. Durham University: UK. Accessible from: <u>http://bit.ly/20vmvK0</u>.

Department for Education (2015). Special Educational Needs and Disability Code of Practice: 0 to 25 Years: Statutory guidance for organisations which work with and support children and young people who have special educational needs or disabilities (6.4, DFE00205-2013). Accessible from:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/398815/SEND\_Code\_of\_Prac\_ tice\_January\_2015.pdf

DuPaul, G. J., Belk, G. D., & Puzino, K. (2016). Evidence-Based Interventions for Attention Deficit Hyperactivity Disorder in Children and Adolescents. *Handbook of Evidence-Based Interventions for Children and Adolescents, 167*.

Education Endowment Foundation (2018). Improving Secondary Science Guidance Report. [Online] Accessible from: <a href="https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-secondary-science/">https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-secondary-science/</a> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Increasing Pupil Motivation: Evaluation Report. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/projects-and-evaluation/projects/increasing-pupil-motivation/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Parental Engagement. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/school-themes/parental-engagement/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2018). Toolkit: Social and emotional learning. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/social-and-emotional-learning/</u> [retrieved 10 October 2018].

Education Endowment Foundation (2020). Special Educational Needs in Mainstream School: Guidance Report. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/special-educational-needs-disabilities/</u> [retrieved 17 August 2020]. Education Endowment Foundation (2019). Toolkit: Improving Behaviour in Schools. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/improving-behaviour-in-schools/</u> [retrieved 18 March 2020].

Gutman, L. & Schoon, L. (2013). The impact of non-cognitive skills on the outcomes of young people. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/public/files/Presentations/Publications/Non-cognitive skills literature review 1.pdf</u> [retrieved 10 October 2018].

Hughes, D., Mann, A., Barnes, S., Baladuf, B. and McKeown, R. (2016). Careers education: International literature review. [Online] Accessible from <u>https://educationendowmentfoundation.org.uk/evidence-summaries/evidence-reviews/careers-education/</u> [retrieved 18 October 2018].

Institute of Education Sciences (2008). Reducing Behavior Problems in the Elementary School Classroom. [Online] Accessible from <a href="https://ies.ed.gov/ncee/wwc/PracticeGuide/4">https://ies.ed.gov/ncee/wwc/PracticeGuide/4</a> [retrieved 17 August 2020].

Lazowski, R. A., & Hulleman, C. S. (2016). Motivation Interventions in Education: A Meta-Analytic Review. *Review of Educational Research*, *86*(2), 602–640. <u>https://doi.org/10.3102/0034654315617832</u>.

Ursache, A., Blair, C., & Raver, C. C. (2012). The promotion of self-regulation as a means of enhancing school readiness and early achievement in children at risk for school failure. *Child Development Perspectives, 6*(2), 122-128.

Willingham, D. T. (2009). Why don't students like school? San Francisco, CA: JosseyBass.

Wubbels, T., Brekelmans, M., den Brok, P., Wijsman, L., Mainhard, T., & van Tartwijk, J. (2014). Teacher-student relationships and classroom management. In E. T. Emmer, E. Sabornie, C. Evertson, & C. Weinstein (Eds.). *Handbook of classroom management: Research, practice, and contemporary issues* (2nd ed., pp. 363–386). New York, NY: Routledge.

### Additional and Special Educational Needs and Disabilities

Children and Families Act 2014, Accessible from: https://www.legislation.gov.uk/ukpga/2014/6/contents/enacted

Davis, P., Florian, L., Ainscow, M., Dyson, A., Farrell, P., Hick, P., ... Rouse, M. (2004). Teaching Strategies and Approaches for Pupils with Special Educational Needs: A Scoping Study. Accessible from: <u>https://dera.ioe.ac.uk/6059/1/RR516.pdf</u>

Department for Education (2015) Special Educational Needs and Disability Code of Practice: 0 to 25 Years: Statutory guidance for organisations which work with and support children and young people who have special educational needs or disabilities (6.4, DFE00205-2013). Accessible from:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/398815/SEND\_Code\_of\_Practice\_J anuary\_2015.pdf

Deunk, M. I., Smale-Jacobse, A. E., de Boer, H., Doolaard, S., & Bosker, R. J. (2018). Effective differentiation Practices: A systematic review and meta-analysis of studies on the cognitive effects of differentiation practices in primary education. *Educational Research Review, 24*(February), 31–54. <u>https://doi.org/10.1016/j.edurev.2018.02.002</u>.

Education Endowment Foundation (2018). Making best use of teaching assistants. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/making-best-use-of-teaching-assistants/</u> [retrieved 17 August 2020].

Education Endowment Foundation (2018). Toolkit: Individualised instruction. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/individualised-instruction/</u> [retrieved 17 August 2020].

Education Endowment Foundation (2018). Toolkit: Learning Styles. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/learning-styles/</u> [retrieved 17 August 2020].

Education Endowment Foundation (2018). Toolkit: Within-class attainment grouping. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/evidence-summaries/teaching-learning-toolkit/within-class-attainment-grouping/</u> [retrieved 17 August 2020].

Education Endowment Foundation (2020). Special educational needs in mainstream schools. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/special-educational-needs-disabilities/</u> [retrieved 17 August 2020].

Government Equalities Office & Equality and Human Rights Commission (2013). Equality Act 2010: guidance. [Online] Accessible from: <u>https://www.gov.uk/guidance/equality-act-2010-guidance</u> [retrieved 17 August 2020].

Hattie, J. (2009). Visible learning: a synthesis of over 800 meta-analyses relating to achievement. London: Routledge.

Kriegbaum, K., Becker, N., & Spinath, B. (2018). The Relative Importance of Intelligence and Motivation as Predictors of School Achievement: A meta-analysis. *Educational Research Review*. <u>https://doi.org/10.1016/j.edurev.2018.10.001</u>.

Pashler, H., Mcdaniel, M., Rohrer, D., & Bjork, R. (2008). Learning Styles: Concepts and Evidence. *Psychological Science in the Public Interest, 9*(3).

Sisk, V. F., Burgoyne, A. P., Sun, J., Butler, J. L., & Macnamara, B. N. (2018). To What Extent and Under Which Circumstances Are Growth Mind-Sets Important to Academic Achievement? Two Meta-Analyses. *Psychological Science*, *29*(4), 549–571. <u>https://doi.org/10.1177/0956797617739704</u>.

Steenbergen-Hu, S., Makel, M. C., & Olszewski-Kubilius, P. (2016). What One Hundred Years of Research Says About the Effects of Ability Grouping and Acceleration on K-12 Students Academic Achievement: Findings of Two Second-Order Meta-Analyses. *Review of Educational Research (86)*. <u>https://doi.org/10.3102/0034654316675417</u>.

Tereshchenko, A., Francis, B., Archer, L., Hodgen, J., Mazenod, A., Taylor, B., ... Travers, M. C. (2018). Learners' attitudes to mixedattainment grouping: examining the views of students of high, middle and low attainment. *Research Papers in Education, 1522*, 1–20. <u>https://doi.org/10.1080/02671522.2018.1452962</u>

Willingham, D. T. (2010). The Myth of Learning Styles, Change, 42(5), 32-35.

### **Professional Development**

Cordingley, P., Higgins, S., Greany, T. et al. (2015). Developing great teaching: Lessons from the international reviews into effective professional development. Teacher Development Trust. [Online] Accessible from: <u>http://TDTrust.org/dgt</u> [retrieved 15 June 2019].

Cordingley, P., Higgins, S., Greany, T., Crisp, B., Araviaki, E., Coe, R. & Johns, P. (2020). Developing Great Leadership of Continuing Professional Development and Learning [Online] Accessible from: <u>http://www.curee.co.uk/node/5200</u> [retrieved 17 July 2020]

Darling-Hammond L, Hyler ME and Gardner M (2017). *Effective teacher professional development*. Palo Alto, CA: Learning Policy Institute. [Online] Accessible from: <u>https://learningpolicyinstitute.org/product/teacher-prof-dev</u> [retrieved 15 June 2019].

Department for Education (2016). Standard for teachers' professional development: Implementation guidance for school leaders, teachers, and organisations that offer professional development for teachers. [Online] Accessible from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/537031/160712\_</u> <u>PD\_Expert\_Group\_Guidance.pdf</u> [retrieved 15 June 2019].

Education Endowment Foundation (2018). Making best use of teaching assistants. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/public/files/Publications/Teaching\_Assistants/TA\_Guidance\_Report\_MakingBestUseOfT</u> <u>eachingAssistants-Printable.pdf</u> [retrieved 14 July 2020].

Fletcher-Wood, H., & Zuccollo, J. (2020). The effects of high-quality professional development on teachers and students: A rapid review and meta-analysis. *Wellcome Trust.* Accessible from: <u>https://epi.org.uk/wp-content/uploads/2020/02/EPI-Wellcome\_CPD-Review\_2020.pdf</u> [retrieved 13 July 2020].

Kennedy, M. (2016). How does professional development improve teaching? *Review of Educational Research* 86(4): 945–980.

Kini, T., & Podolsky, A. (2016). *Does Teaching Experience Increase Teacher Effectiveness? A Review of the Research.* Palo Alto, CA: Learning Policy Institute.

Kraft, M. A., Blazar, D., & Hogan, D. (2018). The effect of teaching coaching on instruction and achievement: A meta-analysis of the causal evidence. *Review of Educational Research*, 88(4), 547-588

Kraft, M. A., & Papay, J. P. (2014). Can professional environments in schools promote teacher development? Explaining heterogeneity in returns to teaching experience. *Educational evaluation and policy analysis*, *36*(4), 476-500.

Lynch, K., Hill, H. C., Gonzalez, K. E., & Pollard, C. (2019). Strengthening the Research Base That Informs STEM Instructional Improvement Efforts: A Meta-Analysis. *Educational Evaluation and Policy Analysis*, 016237371984904. doi:10.3102/0162373719849044

Sims, S., & Fletcher-Wood, H. (2020). Identifying the characteristics of effective teacher professional development: a critical review. *School Effectiveness and School Improvement*, 1-17. <u>https://doi.org/10.1080/09243453.2020.1772841</u>

Stouten, J., Rousseau, D. and De Cremer, D. (2018). Successful Organizational Change: Integrating the Management Practice and Scholarly Literatures. *Academy of Management Annals* 12(2). <u>https://doi.org/10.5465/annals.2016.0095</u>

#### **Organisational Management**

Committee on Standards in Public Life (1995). The Seven Principles of Public Life [Online] Accessible from: <u>https://www.gov.uk/government/publications/the-7-principles-of-public-life</u> [retrieved 19 June 2020]

Department for Education (2012). School admissions appeals code [Online] Accessible from: <a href="https://www.gov.uk/government/publications/school-admissions-appeals-code">https://www.gov.uk/government/publications/school-admissions-appeals-code</a> [retrieved 20 August 2020]

Department for Education (2013). Review of efficiency in the schools system [Online] Accessible from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/209114/Review\_of\_efficiency\_in\_the</u> <u>schools\_system.pdf</u> [retrieved 15 June 2020] Department for Education (2014). School admissions code [Online] Accessible from: <a href="https://www.gov.uk/government/publications/school-admissions-code--2">https://www.gov.uk/government/publications/school-admissions-code--2</a> [retrieved 20 August 2020]

Department for Education (2017). Exclusion from maintained schools, academies and pupil referral units in England [Online] Accessible from: <u>https://www.gov.uk/government/publications/school-exclusion</u> [retrieved 20 August 2020]

Department for Education (2018). Staffing and Employment Advice for Schools [Online] Accessible from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/750826/Staff\_Advice\_Handbook\_Oc\_tober-2018-edit.pdf</u> [retrieved 19 June 2020]

Department for Education (2019). Governance Handbook [Online] Accessible from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/788234/governance\_handbook\_201</u> <u>9.pdf</u> [retrieved 26 June 2020]

Department for Education (2019). Keeping Children Safe in Education [Online] Accessible from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/836144/Keeping\_children\_safe\_in\_e</u> <u>ducation\_part\_1\_2019.pdf [</u>retrieved 5 June 2020]

Department for Education (2019). School teachers' pay and conditions document 2019 and guidance on school teachers' pay and conditions [Online] Accessible from: <u>https://www.gov.uk/government/publications/school-teachers-pay-and-conditions</u> [retrieved 17 August 2020]

GOV.UK (n.d.) Types of School [Online] Accessible from: https://www.gov.uk/types-of-school [Retrieved 19 June 2020]

HM Treasury (2013). Managing Public Money [Online] Accessible from: <u>https://www.gov.uk/government/publications/managing-public-money</u> [retrieved 19 June 2020]

#### Implementation

Aarons, G.A. (2006). Transformational and Transactional Leadership: Association With Attitudes Toward Evidence-Based Practice. *Psychiatric Services*. *57*(8): p1162–1169. <u>https://doi.org/10.1176/ps.2006.57.8.1162</u>

Albers, B., Pattuwage, L. (2017). Implementation in education: Findings from a scoping review. *Melbourne: Evidence for Learning.* 

Anders, J., Godfrey, D., & Nelson, R. (forthcoming). EEF Projects Review. London: UCL Institute of Education

Dyssegaard, C. B., Egelund, N., & Sommersel, H. B. (2017). *What enables or hinders the use of research-based knowledge in primary and lower secondary-a systematic review and state of the field analysis*. Dansk Clearinghouse for Educational Research, DPU, Aarhus University.

Kraft, M.A., Blazar, D., & Hogan, D. (2018). The Effect of Teacher Coaching on Instruction and Achievement: A Meta-Analysis of the Causal Evidence. *Review of Educational Research*, *88*(4):547–588.

Powell, B.J., Proctor, E.K. & Glass, J.E. (2014). A Systematic Review of Strategies for Implementing Empirically Supported Mental Health Interventions. *Research on Social Work Practice*, *24*(2): p192–212.

Proctor, E., Silmere, H., Raghavan, R., Hovmand, P., Aarons, G., Bunger, A., ... & Hensley, M. (2011). Outcomes for Implementation Research: Conceptual Distinctions, Measurement Challenges, and Research Agenda. *Administration and Policy in Mental Health and Mental Health Services Research*, *38*(2) p65–76.

Sharples, J.M., Albers, B., Fraser, S, Kime, S. (2018). Putting Evidence to Work – A School's Guide to Implementation, London: EEF

### Working in Partnership

Day, C., Sammons, P., Leithwood, K., Hopkins, D., Harris, A., Gu, Q., & Brown, E. (2010). Ten strong claims about successful school leadership. Accessible from:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/327938/10-strong-claimsabout-successful-school-leadership.pdf

Department for Education (2019). School teachers' pay and conditions document 2019 and guidance on school teachers' pay and conditions [Online] Accessible from: <u>https://www.gov.uk/government/publications/school-teachers-pay-and-conditions</u> [retrieved 17 August 2020]

Department for Education (2020). Best practice guidance for school complaints procedures 2020 [Online] Accessible from: <u>https://www.gov.uk/government/publications/school-complaints-procedures/best-practice-advice-for-school-complaints-procedures-2019</u> [retrieved 17 August 2020].

Education Endowment Foundation (2018). Toolkit: Parental Engagement. [Online] Accessible from: <a href="https://educationendowmentfoundation.org.uk/school-themes/parental-engagement/">https://educationendowmentfoundation.org.uk/school-themes/parental-engagement/</a> [retrieved 10 October 2018].

Education Endowment Foundation (2018). The Attainment Gap //2017 [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/public/files/Annual\_Reports/EEF\_Attainment\_Gap\_Report\_2018.pdf</u> [retrieved 1 September 2020].

Education Endowment Foundation (2019) Working with Parents to Support Children's Learning [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/tools/guidance-reports/working-with-parents-to-support-childrens-learning/</u> [retrieved 14 July 2020].

Gutman, L. & Schoon, L. (2013). The impact of non-cognitive skills on the outcomes of young people. [Online] Accessible from: <u>https://educationendowmentfoundation.org.uk/public/files/Presentations/Publications/Non-cognitive\_skills\_literature\_review\_1.pdf</u> [retrieved 10 October 2018].

Lazowski, R. A., & Hulleman, C. S. (2016) Motivation Interventions in Education: A Meta-Analytic Review. *Review of Educational Research*, *86*(2), 602–640. <u>https://doi.org/10.3102/0034654315617832</u>.

Yeager, D. S., & Walton, G. M. (2011) Social-Psychological Interventions in Education: They're Not Magic. *Review of Educational Research*, *81*(2), 267–301. <u>https://doi.org/10.3102/0034654311405999</u>.

### **Governance and Accountability**

Committee on Standards in Public Life (1995). The Seven Principles of Public Life [Online] Accessible from: <u>https://www.gov.uk/government/publications/the-7-principles-of-public-life</u> [retrieved 19 June 2020]

Department for Education (2019). Alternative Provision: statutory guidance for local authorities [Online] <u>https://www.gov.uk/government/publications/alternative-provision</u> [retrieved 17 August 2020]

Department for Education (2019). Governance handbook and competency framework [Online] <u>https://www.gov.uk/government/publications/governance-handbook</u> [retrieved 26 June 2020]

Department for Education (2020). Governance structures and roles [Online] <u>https://www.gov.uk/government/publications/governance-structures-and-roles</u> [retrieved 8 October 2020]



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