EDUCATING THE CHILD:
DIGITAL LITERACY AND WELLBEING

By Laura Knight

MAY 2025

About the author

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Laura Knight is the founder and CEO of Sapio, an education consultancy dedicated to helping schools and organisations navigate digital transformation with wisdom, integrity and ambition. With 20 years' experience in both maintained and independent schools in the UK, Laura brings a deep understanding of educational practice, innovation and the evolving needs of learners.

She is an experienced keynote speaker, writer and advisor on technology, AI, digital wellbeing and the future of education. Her work supports schools, publishers, edtechs and education leaders in cultivating critical literacy, ethical leadership and human-centred approaches to digital life.

Laura's work explores how children and young people can be equipped not only to navigate digital spaces, but to participate in them with capability, conscience and courage.

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Executive Summary: Educating for Capability, Conscience and Courage

Digital ecosystems are having a growing impact on children's learning, relationships, creativity and sense of self. Education must move beyond managing risk or regulating access; it must cultivate the capacities young people need to participate wisely, ethically and resiliently in this rapidly changing connected world.

This paper examines the principles and practices necessary for developing ethical participation, age-appropriate autonomy and digital resilience in children within education. It argues that structured judgement, relational scaffolding and critical education are essential if children are to thrive, not merely survive, in digital life.

Drawing on the latest research, we propose a decision-making framework grounded in three enduring developmental pillars: capability, conscience and courage. By holding fast to these principles, rather than to transient technologies, schools can equip young people to navigate uncertainty with wisdom and integrity.

The future will demand much from today's children; their education must be equal to the task.

Introduction: Childhood in a Digitally Mediated World

The structures of childhood are being reshaped by digital technologies that frame how young people learn, connect, imagine and understand themselves. Digital experiences now permeate childhood, shaping how young people connect, create, feel and understand themselves. The COVID-19 pandemic accelerated the entwinement of digital life with childhood. School closures and home confinement compressed education, communication and recreation into digital spaces at unprecedented scale. This collapse of boundaries between online and offline experience has endured beyond the pandemic, deepened further by the integration of AI, algorithmic personalisation and synthetic media. Together, these forces have reshaped the conditions of growth, autonomy and belonging for a generation.

Technology is only part of the story. Evolving parenting styles, shifting educational practices, the changing nature of work and the erosion of institutional trust have converged to create a world where critical literacy, ethical reasoning and resilient selfhood are necessities for modern thriving.

In a similar way, safeguarding digital wellbeing demands more than managing exposure. Simplistic measures such as controlling screen time fail to capture the complexity of children's digital experiences and risk misleading educators when nuance is most needed. In education, we must cultivate the capacities of conscience, critical judgement, and courage: qualities that enable young people to live ethically, wisely and resiliently.

This paper examines the research on digital wellbeing, ethical participation, autonomy and resilience, and proposes a decision-making framework to prepare children to navigate and shape digital life with integrity.

Literature Review: Understanding Digital Wellbeing in Context

Digital wellbeing is multidimensional; encompassing emotional, developmental, social and physical aspects of children's lives (OECD, 2024; UNICEF, 2020). Digital technologies are now embedded into the architecture of experience itself, mediating learning, relationships, creativity and emotional regulation. Artificial intelligence, algorithmic recommendations and synthetic media have shifted children's experiences from passive exposure to active co-construction within digital ecosystems. Much has changed since the days when e-safety was covered in one assembly a year.

Education systems are under increasing pressure to prepare students for an AI-mediated labour market. Work has become more hybrid and digitally intensive, altering models of adulthood and even disrupting old ideas of success. Meanwhile, trust in traditional institutions has eroded, making critical literacy (the ability to interrogate information, authority and systems) an essential civic skill for the future of society and democracy (OECD, 2024).

Against this backdrop, the task of education must evolve. Regulating access or managing exposure is not enough. Schools must cultivate **capability**, **conscience** and **courage**: equipping children to engage ethically, resiliently and wisely in a world where online and offline realities are blended.

The research identifies clear opportunities for wellbeing through positive digital engagement. Digital platforms can enhance learning, expand social networks, foster creativity and facilitate civic participation. Purposeful, co-engaged technology use, particularly when scaffolded by adults, is associated with improvements in early literacy, emotional expression and social connectivity (OECD, 2024; UNICEF, 2020). For adolescents, moderate, active use of social media is linked to stronger peer relationships and greater civic engagement (Livingstone et al., 2021).

Alongside these benefits, we must note substantial risks, too. Excessive, unstructured, or unsupervised digital use correlates with higher rates of anxiety, depression, sleep disruption and exposure to harmful content (Liu et al., 2024; BMJ, 2021). Vulnerable groups, including children with SEND, or those experiencing socio-economic disadvantage, often face intensified risks and reduced support (Ofcom, 2023; Internet Matters, 2025). Moreover, AI-driven personalisation can amplify bias, create unhealthy synthetic relationships and manipulate attention and emotion in ways children are ill-prepared to recognise.

The quality of engagement, relational context and socio-economic environment shape children's digital outcomes more profoundly than simple access. Scaffolded autonomy, i.e. blending guidance with increasing independence, emerges as a critical protective factor (Harverson et al., 2024; SEED Research Report, 2022). Without intentional cultivation of digital capabilities, including critical literacy, ethical reasoning and resilience, digital engagement risks deepening existing inequalities (OECD, 2024; ICILS, 2023).

We are increasingly clear that mental health risks are context-dependent rather than exposure-dependent. Passive, isolated, or algorithmically curated experiences carry significantly higher risks than active, social, or creative engagement (Liu et al., 2024; Harverson et al., 2024). This shift challenges outdated metrics such as screen time and redirects attention towards the meaning, quality and relational framing of digital experiences. Public debates have increasingly fixated on the idea of a radically screen-free childhood; a call made louder by recent bestselling polemics. Yet the evidence points to a more difficult and necessary task: *teaching young people to live well **with** technology, not apart from it.*

The digital environments children now enter are precursors to an emerging social order. Work is increasingly automated and contingent; identity is increasingly shaped through data-driven representations; and information ecosystems are more polarised, gamified and synthetic. Preparing children for this world demands more than technical proficiency. It demands critical consciousness, ethical reasoning and resilient selfhood capable of navigating uncertainty and complexity.

Over the past five years, large-scale studies (Ofcom, 2023; ICILS, 2023), systematic reviews (Harverson et al., 2024; Liu et al., 2024) and major reports (OECD, 2024; UNICEF, 2020; Internet Matters, 2025) have converged on the need to reframe digital education. There is now clear consensus: focusing narrowly on exposure time is inadequate. The field has matured beyond reactive risk management towards the proactive cultivation of human capacities for digital flourishing.

Domain	Positive Contributions	Risks and Challenges	Educational Responses
Education	Digital tools enhance learning, collaboration and access.	Distraction, information overload and inequities in access.	Promote critical digital literacy; scaffold purposeful use.
Mental Health	Moderate, social use supports emotional expression and peer bonds.	Excessive or isolated use linked to anxiety, depression, sleep disruption.	Foster balanced use; integrate emotional literacy and resilience education.
Autonomy and Safety	Gradual autonomy fosters competence and confidence.	Premature autonomy increases vulnerability to exploitation and harm.	Implement graduated autonomy models; maintain relational scaffolding.
Social Relationships	Digital spaces extend connection, collaboration and civic participation.	Cyberbullying, peer coercion and synthetic relationships.	Teach relational ethics; encourage critical and meaningful participation.
Character Development	Opportunities for ethical reasoning, identity exploration and moral agency.	Exposure to harmful norms, echo chambers and manipulation of identity.	Embed character education (integrity, empathy, critical thinking) across digital education.

Table 1: Contributions, risks, challenges and educational responses to digital wellbeing across different domains

Ethical Participation in Digital Life: Building Capability and Conscience

Ethical participation is now essential to young people's flourishing, but it cannot be assumed. Digital life reshapes conscience, empathy and judgement: anonymity and algorithmic forces weaken moral instincts and blur the link between action and consequence. Many young people move through a 'double reality', where online behaviour feels detached even as real-world impacts remain profound. Meeting this challenge requires education that is developmental, relational and grounded in the complexities of lived experience.

Character education offers an important foundation, but it must be reimagined for the digital age. Approaches based on abstract virtues or idealised behaviours risk feeling disconnected from young people's realities. Effective ethical education must address the complexity they encounter daily: competing loyalties, emotional manipulation, anonymity and moral ambiguity. Can we practice, and not just preach, moral capacity, through critical reflection, peer-led dialogue and engagement with real dilemmas? Children must not only learn what is right, but develop the skills to reason, to empathise and to act with courage when certainty is elusive.

Personal, Social, Health and Economic (PSHE) education plays a vital part in this work. It offers a dedicated space for nurturing ethical reasoning, emotional literacy and reflective agency — essential foundations for digital wellbeing. Yet digital life cannot be confined to PSHE, nor can it be reduced to checklist interventions. It should not be treated as a technical problem to be lumped in with Computer Science. Technical fluency alone does not equip young people to recognise emotional manipulation, navigate ethical dilemmas, or build ethical selfhood. Ethical participation must be treated as a relational, civic and developmental task, woven across the fabric of schooling.

Children increasingly form bonds not just with peers and adults, but with AI agents, influencers and curated personas that simulate authenticity and intimacy while serving commercial or algorithmic ends. These dynamics distort trust, loyalty and emotional connection. Ethical education must therefore expand to include critical emotional literacy: the ability to recognise manipulation, distinguish authentic from constructed relationships and navigate digital emotional life with care and discernment.

In the digital economy, when platforms appear to be free, children's attention becomes the commodity. Their engagement is not incidental; it is engineered, measured, and sold to advertisers, influencers and algorithms designed to extract time, loyalty and emotional investment. Ethical education must equip young people to recognise that their attention carries value, and that their agency within digital environments must be consciously protected, not passively surrendered.

We must also acknowledge the generational gap in digital experience. Many adults did not grow up in ambiently digital environments; their models of moral development assumed physical proximity, bounded authority and stable communities. Young people now negotiate landscapes where privacy, authority, identity and belonging are constantly fluid. Adults must act not as **monitors**, but as **mentors**: offering guidance, scaffolding judgement and building relational trust, while recognising that young people's moral challenges are distinct from those of previous generations.

Ethical participation in digital life is not a simple extension of offline behaviour; it is a developmental achievement that must be cultivated deliberately and patiently. To flourish in digitally mediated societies, young people must be equipped not just with knowledge of what is right, but with the

habits of mind and heart needed to act ethically even when clarity is elusive and consequences are immediate and enduring.

Age-Appropriate Autonomy: Building Resilient, Ethical Independence

The journey towards digital autonomy is a developmental task that demands intentional, structured guidance. This should not be left to chance; flourishing online requires scaffolded autonomy matched to their maturity, skills, resilience and the complexity of the digital contexts they inhabit.

Professor Tanya Byron, in her seminal *Byron Review* (2008), likened digital development to learning to swim: adults must first protect and closely supervise, then coach with growing independence as capability and risk awareness develop. Children's navigation of digital environments demands a similar evolution, moving from protection to empowerment based on clear, thoughtful assessment of readiness rather than arbitrary thresholds.

Research consistently shows that **authoritative mediation** offers the most effective model for developing digital autonomy. Adults who combine warmth, structure and encouragement set clear expectations, build relational trust and offer increasing opportunities for independent decision-making. They respect the child's agency while ensuring that scaffolding remains until judgement and resilience are sufficiently developed.

This calls for educators to personalise their approaches. Children vary widely in emotional maturity, critical literacy and psychological resilience. Technical competence on particular devices or platforms does not reliably signal ethical or emotional readiness. Granting autonomy requires careful judgement about the child's reflective capacity, vulnerability to peer influence and ability to recognise and manage risk. Just as responsible adults would not allow every child into deep water without assessing their swimming ability, they must match digital freedoms thoughtfully to developmental readiness.

Let's be mindful of children's drives towards learning, connection and exploration: curiosity, sociability and creativity are healthy and necessary developmental instincts. Equally, adults must recognise that true empathy means providing structured support, not permissive neglect. When left unguided, children's healthy impulses can expose them to risks they are not yet equipped to manage.

It is *definitely* time to retire the long-pervasive myth of the 'digital native'. Familiarity with technology does not equip young people with critical literacy, emotional resilience, or ethical judgement. Previous generations often delegated technological tasks to children for domestic devices (perhaps you were the kid who knew how to programme the video to record); today's far more complex digital ecosystems demand adult leadership, not abdication. Adults must reclaim their role as guides, mentors and ethical coaches in digital life, *even if uncertainty makes this uncomfortable.*

The goal of digital autonomy is not to eliminate risk but to foster resilient, wise navigation. As risk and opportunity rise together in digital spaces, shielding children from challenge becomes neither feasible nor desirable. Adults must equip young people to engage thoughtfully, critically and courageously. Gradual exposure, structured reflection, relational trust and sustained scaffolding form the foundations for authentic autonomy.

Conversely, failing to offer structured engagement constitutes a serious failure of care. Leaving children to 'work it out' alone risks what researchers increasingly describe as digital neglect. Just as failing to teach a child to swim leaves them vulnerable to drowning, failing to guide young people through digital complexity leaves them exposed to manipulation, harm and emotional fragmentation.

Supporting age-appropriate autonomy requires more than granting freedoms at fixed milestones or trusting presumed technical skill. It demands a sustained developmental commitment: a relational education that enables young people to participate in digital life with wisdom, resilience and integrity.

Building Digital Resilience: Cultivating Strength, Integrity, and Agency

Digital resilience is a developmental capacity essential for young people's flourishing. It is not merely surviving difficulties online; it is the ability to anticipate, recognise, navigate and recover from complex or adverse digital experiences. Resilience sustains ethical agency under pressure: when information distorts, relationships manipulate, or vulnerabilities are exploited.

Young people do not develop resilience passively; adults must teach it deliberately. Digital environments often amplify emotional responses, obscure social signals and disguise risk. Without structured support, children are poorly equipped to recognise manipulation, assess credibility, or manage digital adversity. Research shows that many struggle to spot 'red flags' online. Subtle grooming behaviours, social engineering tactics and algorithmic reinforcement often escape detection without explicit education. Building cognitive resilience means helping young people assess trustworthiness, recognise manipulation techniques, pause before reacting emotionally and question emotionally charged narratives.

Digital spaces also intensify emotional vulnerability. Platforms designed for outrage, comparison and synthetic connection can destabilise emotional wellbeing. Emotional resilience requires young people to develop self-awareness, learn to pause, seek broader perspectives and disengage from dynamics that amplify distress. Adults must teach them to recognise when digital experiences manipulate emotional states and to ground themselves when intensity rises.

Online social dynamics can equally obscure power, intention and authenticity. Children must learn to recognise coercion, peer pressure and manipulative group dynamics. Building social awareness means developing empathy, ethical discernment and relational integrity even when social reinforcement pushes in other directions.

Many young people delay seeking help after negative digital experiences due to fear of punishment, loss of privileges, or embarrassment. Adults must normalise help-seeking as an act of strength, not failure. Schools should establish trusted, non-punitive disclosure pathways. Early intervention often prevents small incidents from escalating into crises; confident help-seeking is a critical element of resilience.

Boundary-setting and boundary-keeping form a further essential part of resilience. Adults must equip children to decide what they share, whom they engage with and when to withdraw. However, setting boundaries is only the beginning; keeping them under social pressure is far harder. Fear of exclusion, ridicule, or status loss can erode ethical instincts. Building resilience means practising refusal strategies, modelling boundary-respecting behaviour and fostering a self-worth anchored in internal values rather than external approval. Young people must learn to trust their judgement even when peer dynamics challenge it.

Digital resilience is not a fixed trait; it is a developmental achievement shaped through education, relational trust and reflective practice. It does not merely defend against harm; it cultivates strength, confidence and criticality. True resilience enables young people to thrive within digital ecosystems: to meet complexity with courage; to maintain integrity under pressure; and to navigate digital life with wisdom and agency.

From Principles to Practice: Cultivating Wisdom and Agency in Digital Life

The complexity of children's digital lives demands more than rigid rules or reactive policies. In a world shaped by rapidly evolving technologies, ethical participation, resilience and autonomy cannot be secured through prescriptive regulation alone. Schools must exercise principled judgement: a way of thinking that holds fast to developmental truths even as digital landscapes change.

This paper proposes a simple but serious decision-making framework, grounded in the capacities education must now cultivate: capability; conscience; and courage. It invites educators and leaders to apply three interconnected lenses when shaping policies, granting freedoms, responding to challenges, or guiding children's digital experiences.

The first lens is **capability**. Adults must assess the child's skills, understanding and resilience in relation to the context. What technical fluency, critical literacy, emotional self-awareness and relational discernment does the child demonstrate? Are they ready to navigate a platform or experience independently, or does it require supervision, coaching, or structured limitation? Capability is not an age, a device, or a checklist; it is a dynamic developmental state that demands careful, individualised judgement.

The second lens is **conscience**. Every digital engagement carries ethical dimensions. Educators must ask: does this experience encourage critical thought, empathy, integrity and relational responsibility, or does it erode them? Conscience is not simply about preventing harm; it is about building the child's ability to reason ethically, to act reflectively and to hold to values even when digital spaces challenge them.

The third lens is **courage**. True digital maturity requires the strength to act wisely under pressure: to set boundaries; to seek help; to challenge group norms; and to walk away from manipulation. Decisions must ask: does this foster the child's resilience, ethical agency and capacity to make hard choices in complexity? Are we equipping them to act with courage, not merely to comply with supervision?

This framework is designed to be practical, flexible and enduring. Schools can apply it across digital strategy, curriculum design, pastoral care and parent engagement.

By rooting decision-making in capability, conscience and courage (rather than in transient technologies or surface metrics) this framework offers resilience against the rapid shifts of the digital world. As AI continues to transform children's experiences, ethical participation, critical judgement and relational integrity will remain constant developmental needs. Preparing young people to thrive in future ecosystems requires education that grows with the child, not with the platform.

Conclusion: Educating for Integrity, Courage and Wisdom

Educating the child for digital life is no longer an auxiliary task; it is a central commitment to their integrity, autonomy and flourishing. The realities of digital ecosystems – with their profound influence on learning, relationships, identity, and emotional development – demand a response rooted not in fear, but in principled action.

Blocking, banning and hoping for the best are not strategies to rely on. The 'Because I say so' approach leaves children unprepared to navigate complexity, unarmed against manipulation and unsupported in the ethical development they now urgently require. The task before us demands more: to teach, to coach, to build the human capacities that technology alone cannot nurture.

As digital landscapes evolve, so too must education. We must hold fast to what endures: the cultivation of capability; the deepening of conscience; and the strengthening of courage. These are not ancillary virtues; they are the architecture of resilient, ethical human life.

The responsibility is profound, but it is not impossible. It calls for education that is relational, developmental and wise; for leadership that recognises complexity without losing clarity; for communities willing to build trust, strength and discernment steadily, even when the pathways are shifting.

Technology will continue to change; human needs will not. By educating for capability, conscience, and courage, we do not merely prepare children to survive digital life; we equip them to shape it – with judgement, integrity and grace.

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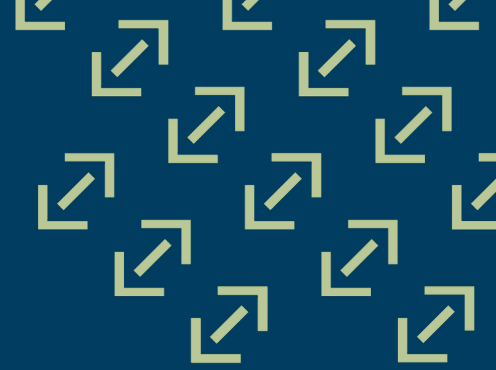
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