

Digital Fluency – a dynamic capability continuum

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Digital literacy – a good news story

- ▶ [Pullampara declared first fully digitally literate panchayat - The Hindu](#)



Digital literacy - definition

- ▶ the ability to identify and use technology confidently, creatively and critically to effectively meet the demands and challenges of living, learning and working in a digital society.
 - use technology;
 - find, use and critically evaluate information;
 - curate data and media sources;
 - communicate, collaborate and participate in online environments;
 - manage your online identity as well as your personal security and privacy; and
 - create online content, not just consume it.

Digital capability continuum



**Digital
foundations**



**Digital
literacies**



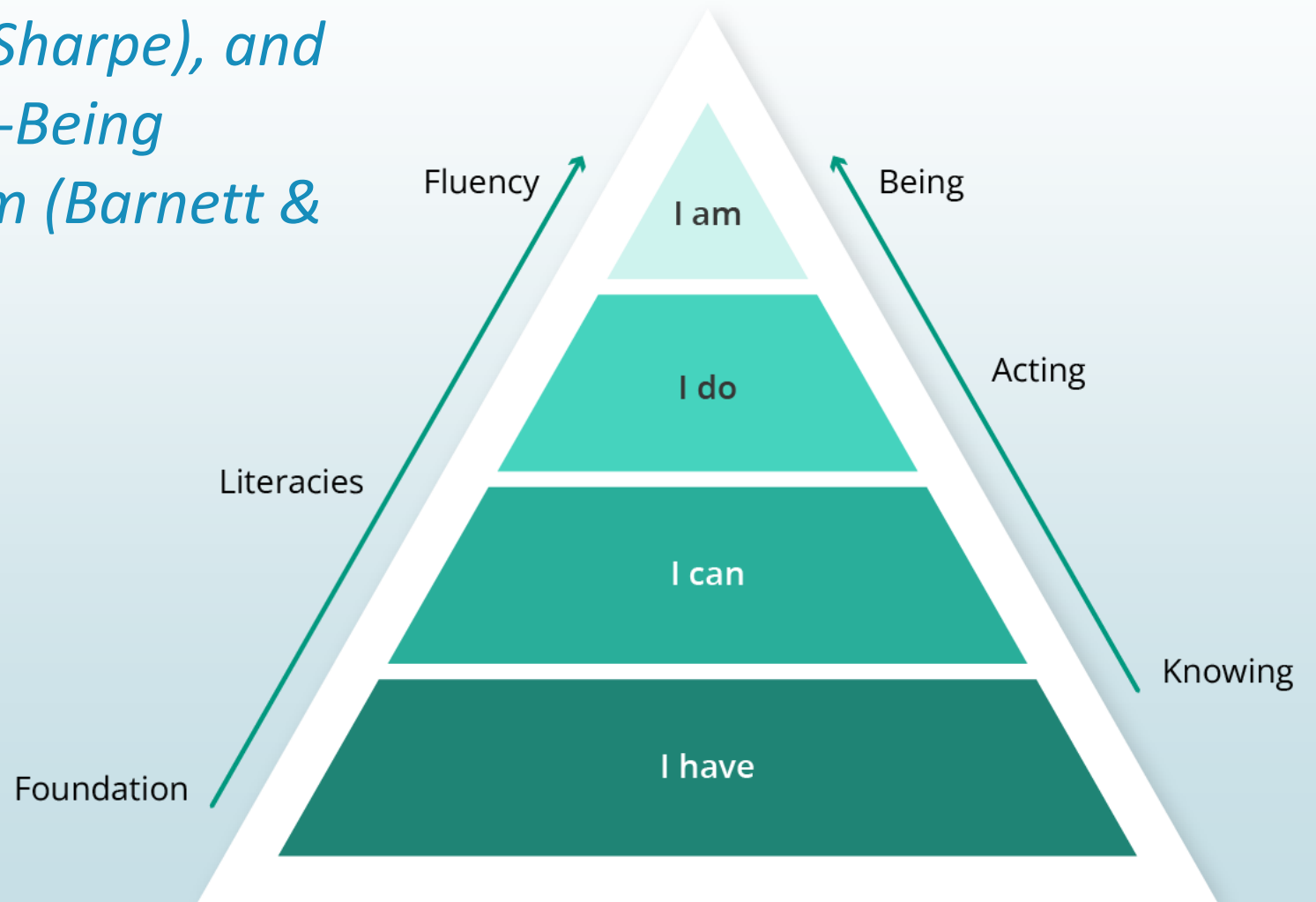
**Digital
fluency**

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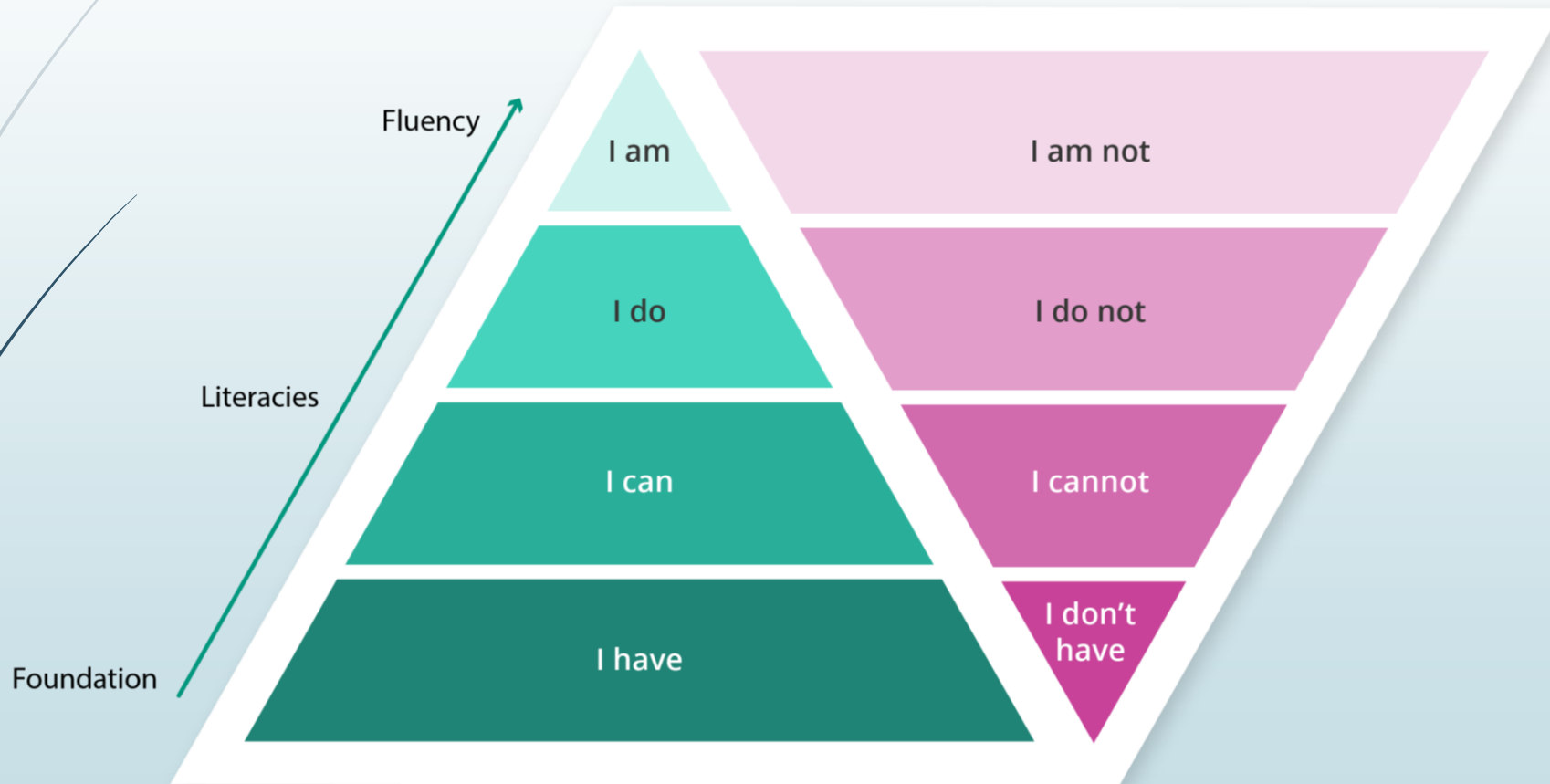
Digital capability continuum

- ▶ Digital foundations – access to digital tools or technologies and some technical proficiency
- ▶ Digital literacies – consciously and competently apply digital skills and behaviours
- ▶ Digital fluency – the knowledges, skills, attributes and identity formation that enables adaptive inquiry, communication, problem solving and creation in digital worlds

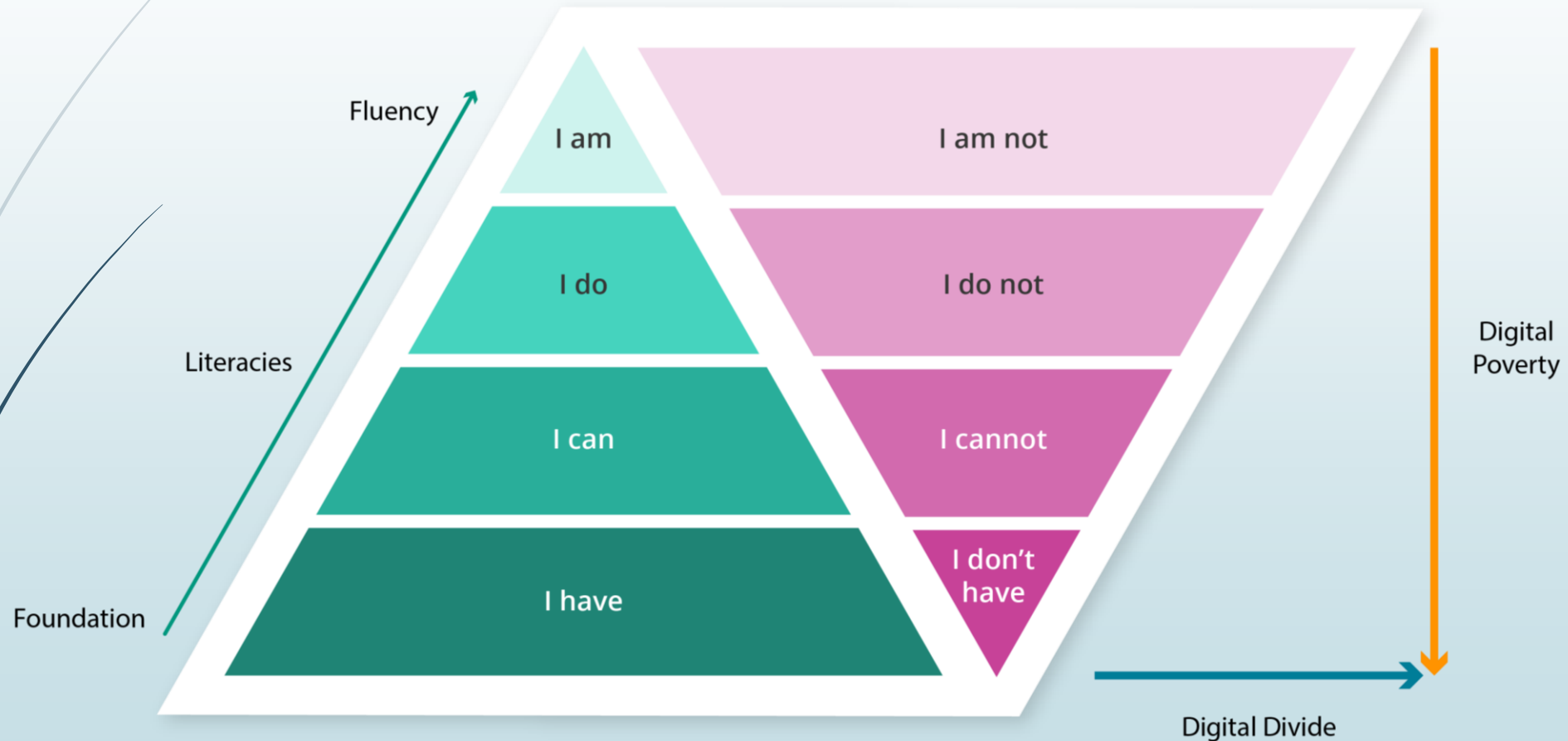
The relationship between the Digital Capability Continuum model, the Digital Literacy pyramid model (Beetham & Sharpe), and the Knowing-Acting-Being curriculum paradigm (Barnett & Coate)



Digital Capability Continuum Framework – a flipped pyramid approach



Digital divide and digital poverty in relation to Digital Capability Continuum framework





Digital Fluency – a graduate attribute

- ▶ Digital fluency - a continuum where knowledges, competencies and behaviours combine for fluid engagement in digital worlds
- ▶ A digitally fluent graduate is able to engage with the digital world critically and ethically, and creatively use problem solving, communication, and collaboration skills to develop solutions to problems using appropriate tools, including digital tools. They can safely function within digital contexts while maintaining privacy, security and wellbeing
- ▶ Digital fluency is a combination of
 - ▶ Digital, technical and proficiency knowledge
 - ▶ Digital literacy (cognitive and/or intellectual competencies); and
 - ▶ Social competence and/or dispositional knowledge



The future ...

- ▶ unless effective support structures and curriculum design that build digital fluency are embedded in education, inequality will continue to grow
- ▶ educators and students should understand that digital fluency is a mindset and an attitude; with the model and framework underlining that capabilities need to be flexible and transferable across technologies, disciplines and the world of work
- ▶ Further work is required to explore how the continuum model and enacting framework can inform curriculum and pedagogy in practice
- ▶ to explore and address educator needs for their own digital development to support this enactment