# KinderPedia

## Preschool Apps for Touchscreens

Though children who do not speak English at home join "English medium" preschools and do well , it's an uphill task with issues. An AI analysis lists out what could affect them.

- They may not grasp concepts well when taught in English, leading to voids in their foundational grasps

- Poor grasps may lead children to study by rote, memorizing due to reduced comprehension, an approach they may adopt to education henceforth

- Children may struggle to communicate their thoughts & ideas, which will affect their confidence and self-expression

Which is why we create Apps that rely on the language of curated videos, graphics & animations to explain concepts behind 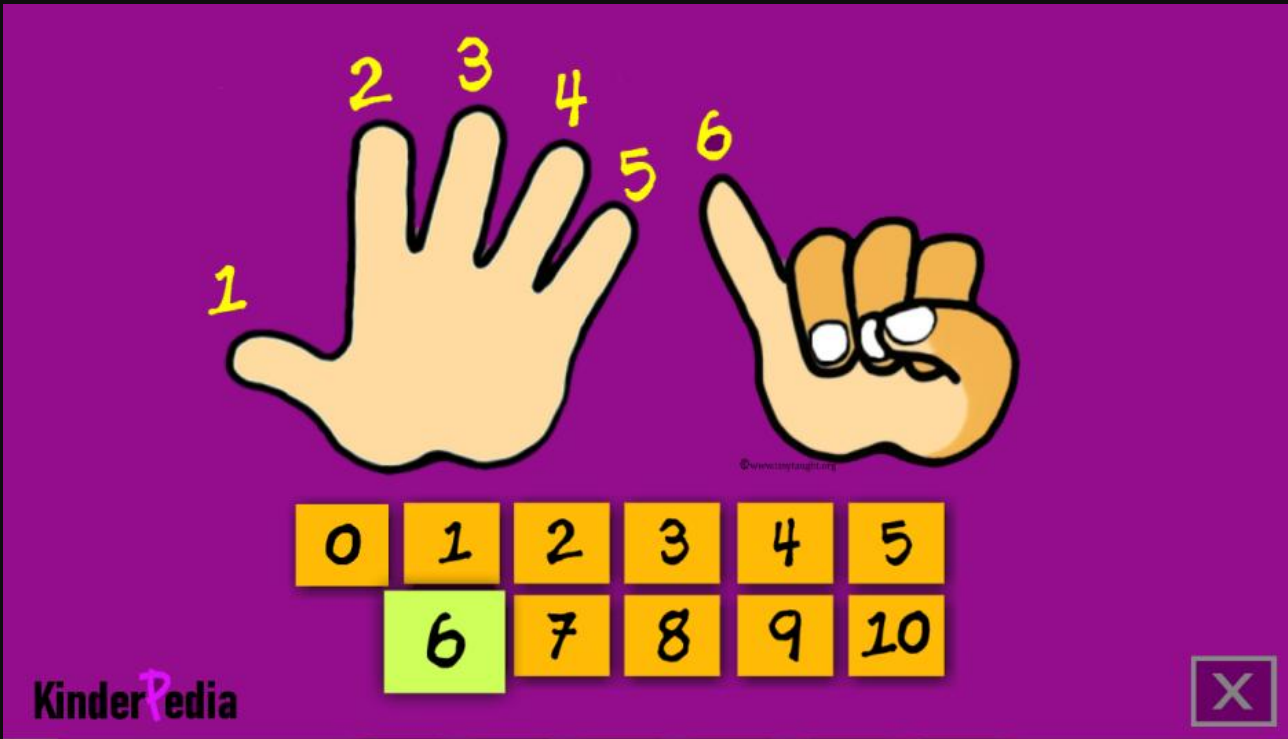letters, numbers, words , etc., to kids. Colourful icons in the App's Graphic User Interface (GUI) designed for kids, bring up these exciting formats on the touch screens

Since our explanatory animations convey concepts & ideas well, often better than a lecture, they do not need elaborate voice-over narratives. This cuts across linguistic barriers of kids who find the vibrant medium hard to ignore, but easy to comprehend

We bundle over 35 + such apps to reduce the time & burden on teachers & kids. We've essentially used the fascination kids have for smart phones, gaming & TV, to get their attention & teach them well



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We've used AI extensively from voices generated by AI (tts) to get the right pronunciations in KG itself, to AI generated images & videos. We run all the research studies & our approach taken through an AI analysis for its consistency & correctness.



## An AI evaluation on our method

Interactivity, animations and curated videos with little voice-overs can be very effective with preschoolers, when language barriers, exist due to:
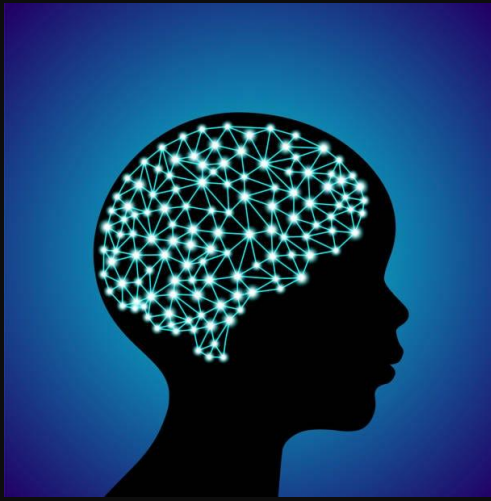
- **Universal language**: Visuals can transcend language barriers & kids from different linguistic backgrounds can understand and engage with the content.

- **Engaging and interactive**: Animations and videos can be designed to be highly engaging, capturing kids' attention and encouraging them to explore and learn

- **Improved Retention:** Interactive learning leads to better retention of material, as children are more likely to remember information when it's presented in a fun and engaging way.

- **Improved understanding:** By creating apps that promote interactive and engaging learning, you help children develop a more nuanced understanding of concepts and reduce the reliance on rote learning

**Check out Demo Video**

▶ YouTube

**KinderPedia**

## The Neuroscience behind KinderPedia

Play is a powerful tool for learning and can enhance neural development and plasticity. When learning is associated with play, it can lead to:

- **Increased engagement:** Play can make learning more enjoyable and engaging, which might reduce the number of repetitions needed to form new synapses

- **Enhanced creativity:** Play encourages exploration and creativity, which can help in finding new solutions and forming novel connections in the brain

- **Reduced stress**: Play can reduce stress and anxiety, creating a more conducive environment for learning and neural adaptation

- **Research suggests** that interactive formats, such as games, can indeed enhance children's learning experiences and potentially accelerate their learning.

Professionals working in Multimedia harnessing AI powered tools to create animations, create and edit images, audio & videos

Makers of Apps for large Touch Interactive flat panels and Tablets meant specifically for Preschool children world wide