





Questions to Consider for Performance, Reliability, Convenience, and Cost

As you develop and refine your educational product, your performance, reliability, convenience, and cost (PRCC) analysis will help you adapt the product for scale. Consider the questions below with both end users and a broader customer base during the Invent and Apply stages of innovation.

LEARN to Scale Toolkit

This resource is part of the LEARN to Scale Toolkit. The toolkit is designed to support researchers and developers in using the Invent-Apply-Transition framework to create, test, and scale evidence-based educational products. Access the full toolkit at learntoscale.org.

Dimension	Questions
<p>Performance</p> 	<ul style="list-style-type: none"> • Is your product's improvement on outcomes incremental or significant? • How quickly is your product expected to produce the intended outcomes? What is the timeline against which outcomes are expected? • How do outcomes differ for students, educators, and schools from different backgrounds and with different experiences? • Does integration with other approaches strengthen your product? • How superior will the performance be to existing products?
<p>Reliability</p> 	<ul style="list-style-type: none"> • What are the key components that must be implemented to achieve the intended outcomes? • How can you account for the implementation fidelity loss that typically happens when the developer or researcher is no longer overseeing implementation? • What resources, training, and organizational support are required to achieve implementation fidelity? • Does your product work reliably across different target settings? For example, in well-resourced schools versus underresourced schools; across different student populations, such as multilingual learners, students from low-income households, and students with different disabilities. • What is the variability in performance you have observed across the different schools?

Dimension	Questions
<p>Convenience</p> 	<ul style="list-style-type: none"> • Does the product make the end user's life easier? Does it require less time than existing products? • Is it practical and easy to use? • How does your product compare to noneducational products that people are accustomed to using every day? • Does your product seamlessly fit with existing systems in the host environment, such as technology systems and equipment, curricula, assessments, professional development models, and class schedules? • How does your product stack up against the ease-of-use of competing products? • How much training is required to use your product, and can it be done on your users' own time?
<p>Cost</p> 	<ul style="list-style-type: none"> • What are the initial adoption costs and the ongoing operation costs? Consider these areas: <ul style="list-style-type: none"> ○ Personnel ○ Facilities ○ Materials ○ Consulting or vendor costs