

PBL in a Google World

Project Based Learning, Challenge Based Learning or Inquiry learning - regardless of what title you give it, this type of learning can be enriched with the help of technology. This session will explore a large range of different tools which students and teachers can use at each stage of the learning cycle.



Why PBL?

What is PBL?

- Real world connections
- Critical thinking
- Collaboration
- Communication

"PBL is the act of learning through identifying a real-world problem and developing its solution. Kids show what they learn as they journey through the unit, not just at the end."

Some resources for exploring PBL further:

[Video](#)

[Edutopia article](#)

[5 Keys to Rigorous Project-Based Learning](#)

CBL	PBL	IIL
Big Idea	Big Idea	Big Idea/Throughlines
Generate Questions	Generate Questions	Generate Questions
Essential Question	Driving Question	Generative Question
Challenge Video	Entry Event	Tuning In
Challenge	Artifact/Project	
Guiding Questions	Generate Questions	Finding Out
Guiding Activities	Drawing Conclusions	Sorting Out
Identifying a Solution 'The Pitch'	Innovation/Solution Planning the artifact/project	Going Further Investigate their own questions
Enacting Solution Publishing	Creating the project/artifact	Concluding and Acting
Published Documentation/Video	Present learning to real audience/	Present Findings/ Reflection Journals

¹ HUGE thanks to [Richard Lambert](#) for creating this comparison table

	Question/challenge
	Tools to help with the beginning of an inquiry unit to synthesise, gauge previous understanding and formulate challenging questions • Answer Garden • Knowledge graph • Padlet • Canva • Piktochart to synthesis previous understandings • Content consumption ◦ Rewordify ◦ DotEPub ◦ Wikiwand ◦ Read&write ■ link to full free version for teachers

	Authentic/real world connection
	A range of amazing tools to help to make real world connections. Browse and spend time exploring the tools which are new to you, or which will be most impactful in your context. • Arts and culture • Constitute Project • Google Books ◦ NGram Viewer • Mapping tools ◦ Timelapse ◦ New Google Earth ◦ My Maps • Trends ◦ Flu trends

	• Google News ◦ Newspapers • Public data • SolveforX • Youtube
--	--

	Reflection
	Ways of reflecting, sharing and publishing ideas • Padlet • Screencastify • Flipgrid (password: Reflection)

	Critique, feedback, collaboration
	• Slides template for checking understanding • Critique: ◦ Checkmark ◦ WriQ ◦ Draftback • Talk and comment

	Multifaceted Assessment
	• Google sites • Hyperdoc