

# webinar series



# Neon's evaluation criteria to meet the Quality Standards

#### **Quality matters to us**

We want STEM teachers and their students to enjoy the very best engineering experiences, so we only feature experiences that meet our quality criteria.

Experiences that meet Neon quality standards:

- 1. Include positive and contemporary messaging about engineering
- 2. Raise young peoples' aspirations:
- For primary: Broaden horizons, challenge career stereotypes, and put curriculum
- subjects into a real-life context
- For secondary: Include an explicit careers dimension and align with at least 2 Gatsby benchmarks
- 3. Are designed and delivered so they are inclusive for students
- 4. Are committed to embedding learning and improvements
- 5. Clearly articulate expected learning outcomes
- 6. Are transparent on cost and time
- 7. Meet safeguarding, health and safety and data protection standards and have public liability insurance





bout	your experience	Quality review	Confirmation		
Whi	ch, if any, evaluc	tion options apply	to your experience? *		
You	must select at leas	st 2 options to reach	this quality standard.		
	We survey young p part.	eople to gather feed	back about the experience during or soon after they take		
	We survey educato experience.	unteers to gather their feedback during or soon after the			
		ng young people both before and after they have taken part r responses change.			
			e points and track their responses to assess how effective intended outcomes.		
	We collect survey data from a broad spread of attendees, and analyse evaluation result people's socio-demographic characteristics (e.g., age, gender, ethnicity etc.).				
	lts to figures from a similar sample of young people who did mark or a control group).				
	We use trained eva perimental methoo		gorous and robust approach (e.g., quasi-experimental or ex-		
	We conduct focus	groups or interviews	to gather supplementary evaluation data.		
	We aim to gather for a second se		uation data from at least 30% of young people that take		
	Other				

# The Code pledges



Ensure programmes contribute to a sustained and rich STEM journey for all young people.

# Driving inclusion

Ensure all young people have opportunities to engage in engineeringinspiration activities and no one is left behind.

#### (A) Showcasing engineering

Promote a positive, compelling, and authentic view of engineering, showcasing the breadth of opportunities.

#### **b** Improving impact

Improve monitoring and evaluation of programmes and activities to develop a shared understanding of what works.

> TOMORROW'S ENGINEERS



# **Proportionate evaluation**

Jess Di Simone Evaluation Manager, EngineeringUK







#### To understand the principles associated with a 'good' evaluation



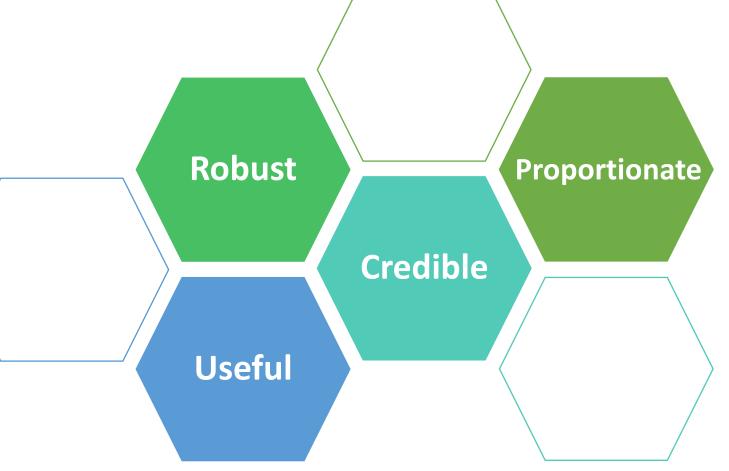
To understand considerations for planning an evaluation



# What is a 'good ' evaluation?

There is no single definition of a good evaluation as there is no 'one size fits all' approach.

Guiding principles for a 'good' evaluation include:





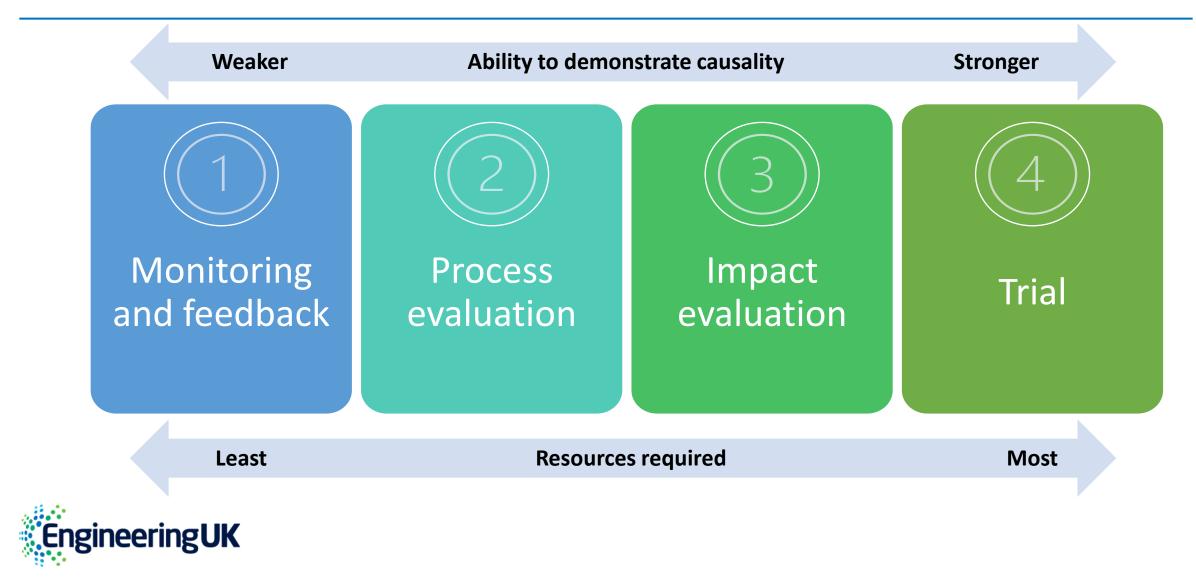
*'Fit-for-purpose evaluations that are genuinely useful to decision makers.'* 

(Magenta Book, 2020)

- Being consistent with the type of intervention and its complexity
- Taking a practical approach, tailored to the context of the intervention, considering resources and time available
- Balancing what is enough but not excessive (only done when useful)
- Feeding into decision-making

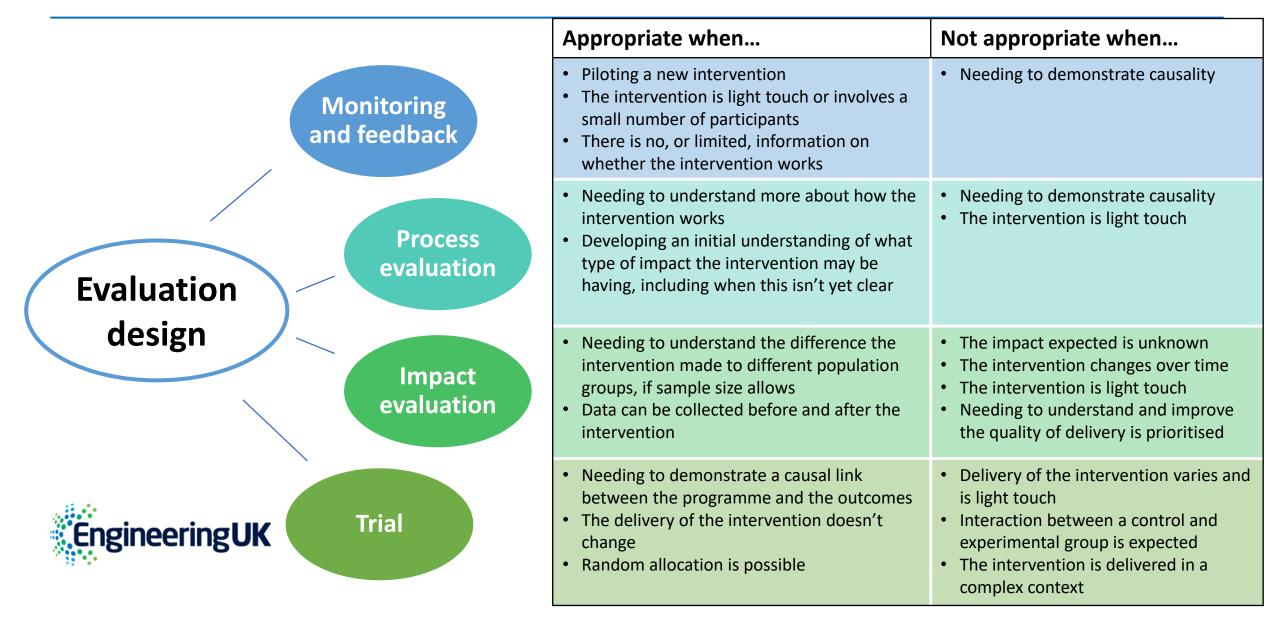


# Levels of evaluation



	LEVEL OF EVALUATION	WHAT ARE THE AIMS?	WHICH APPROACH IS USED?	
	4. Trial	to provide robust evidence of the impact of a programme which will be persuasive to external stakeholders at all levels.	Using a <b>random controlled design</b> , including baseline and follow-up, with qualitative data to support interpretation of findings.	← Most
מוב רמתאמווראיייי	3. Impact evaluation	to start to assess impact through measuring change in key outcomes through a robust sample.	Data collection before and after the programme activities (pre- and post- evaluation), ideally with some form of control or comparison group (not necessarily randomly assigned).	Resou
	2. Process evaluation	to assess who is being reached, what factors influence the way that the stakeholders engage with, and potentially benefit from, the programme, including identifying whether there is evidence to broadly support the programme's theory of change.	Monitoring, surveys after the programme activities with wide range of stakeholders (young people and teachers), perspectives on impact gathered, potentially supported by qualitative data.	rces required
	1. Monitoring and stakeholder feedback	to assess feasibility, monitor delivery and to identify improvements for the intervention.	Combination of <b>surveys and interviews or focus</b> <b>groups, may be in small numbers</b> , as well as activity monitoring reach.	Least $ ightarrow$

# Which level of evaluation is appropriate for you?

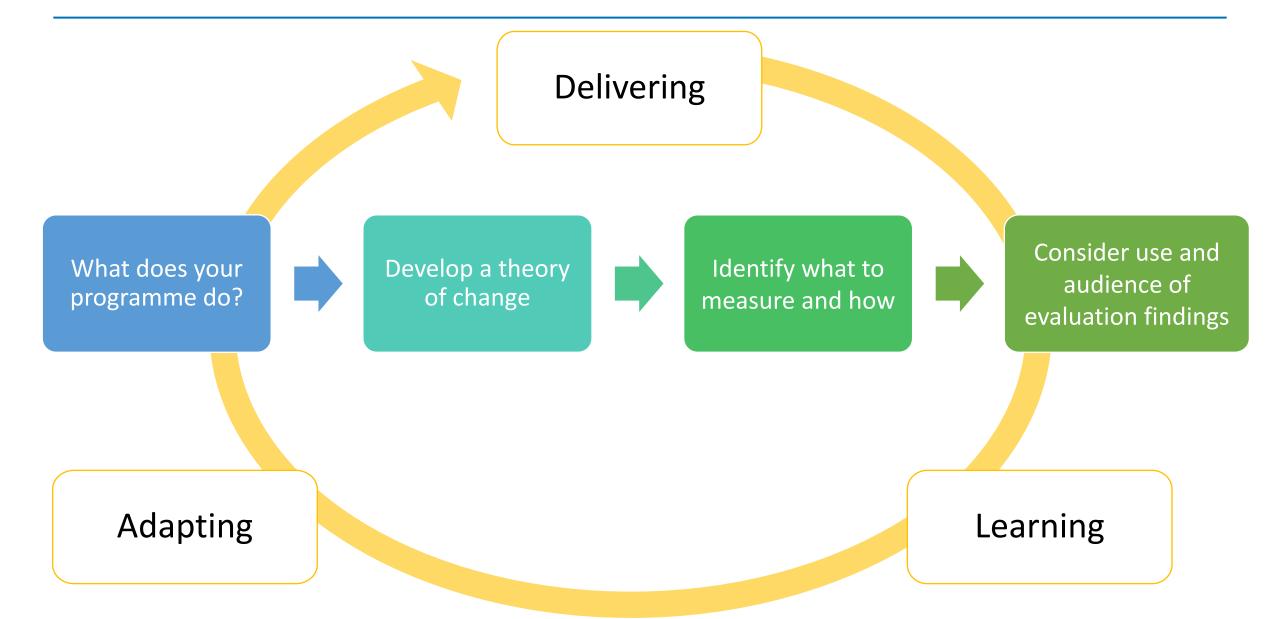


When designing your evaluation, young people need to be at the centre of the evaluation choices you make from defining your key questions, to data collection and reporting.

- Who are the gate-keepers you need to involve?
- When would young people be able to take part in the evaluation?
- What resources would a young person need to participate in the evaluation?
- What can we expect a young person might know?
- Is the language you are using easy to understand for young people?



## Where to start when designing an evaluation?



# Moving towards more complex approaches

Depending on the level that is most suitable to your STEM outreach, the following can be ways to move towards evaluating using more complex approaches:

- Review your theory of change
- Pilot an approach
- Don't try to do everything at once –

focus on fewer questions to test

- Record lessons learned
- Consult with others in the STEM outreach sector
- Refer to best practices and resources
- Work with independent evaluation experts



### **Evaluation plans**





# Additional resources

- Magenta Book: Central Government guidance on evaluation
- Bond: Choosing appropriate evaluation methods tool
- Better Evaluation: Rainbow Framework
- <u>The Centre for Youth Impact: Resource hub</u>
- Education Endowment Foundation
- <u>Tomorrow's Engineers</u>

