

The Year at a Glance

When each instrument runs, across 15 projects and the Capstone

Four evenly spaced full scores (start, two midpoints, end) show a growth line as clearly as scoring all 15 projects would, at a fraction of the marking load. Every project, whichever column it falls in, also gets a learner self-assessment and up to three peer stickers.

Pre-Assessment

Before Lesson 1
(16 scored + 2 context items)

Project 2-4

Workbook Check
~30 sec/learner

Tap	What the teacher checks
1	Pages complete – yes / partly / no
2	Build works – yes / no
3	Stickers earned – 0 to 3
4	Needs support – yes / no

Project 6-9

Workbook Check
~30 sec/learner

Tap	What the teacher checks
1	Pages complete – yes / partly / no
2	Build works – yes / no
3	Stickers earned – 0 to 3
4	Needs support – yes / no

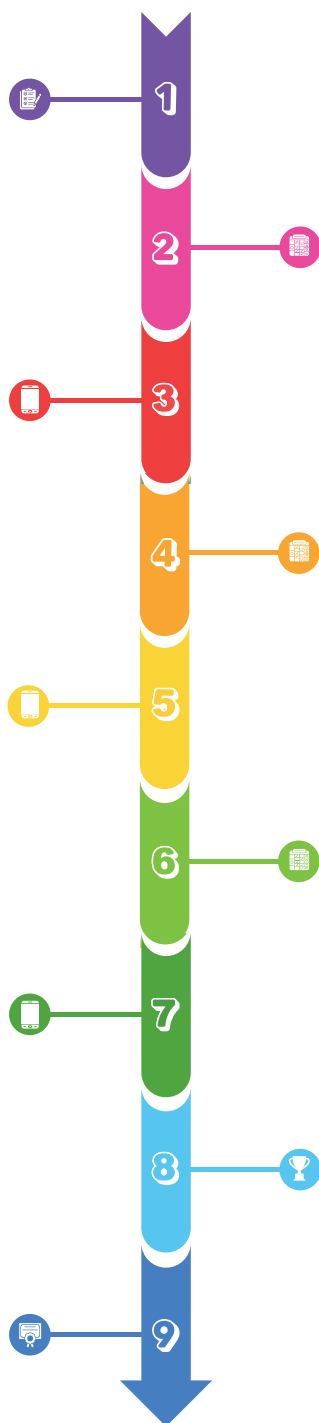
Project 10-15

Workbook Check
~30 sec/learner

Tap	What the teacher checks
1	Pages complete – yes / partly / no
2	Build works – yes / no
3	Stickers earned – 0 to 3
4	Needs support – yes / no

Post-Assessment

Before Lesson 1
(16 scored + 2 context items)



Project 1

Full rubric, C1–C7
~1 min/learner

Initiation	What to do first	1. Scoping	2. Planning	3. Execution	4. Monitoring
1. Conceptual and define the problem	What is the "What" and "Why" of the problem?	What is, or represents, the problem?	Create a general and/or specific plan	Complete the plan with the details	Always stay on track
2. Set goals and planning	What "Why" and "What" is the problem?	What is the "What"?	What is the "Why" and planning objectives?	What is or what is the plan?	What is the plan?
3. Technical planning	Technical plan, or a description of the plan	What is the plan?	What is the plan?	What is the plan?	What is the plan?
4. Testing	Check the plan, or a description of the plan	What is the plan?	What is the plan?	What is the plan?	What is the plan?
5. Reporting	What is the plan, or a description of the plan	What is the plan?	What is the plan?	What is the plan?	What is the plan?
6. Technical	Technical plan, or a description of the plan	What is the plan?	What is the plan?	What is the plan?	What is the plan?
7. Communication and collaboration	What is the plan, or a description of the plan	What is the plan?	What is the plan?	What is the plan?	What is the plan?

Project 5

Full rubric, C1–C7
~1 min/learner

Initiation	What to look for	1. Scoping	2. Planning	3. Execution	4. Monitoring
20 Commercial and public projects	What is the "best" and "worst" case scenario?	Scope is important to define	Create a project and a work plan	Complete the work plan on time or on delay	Address any delays or problems
40 Not used in planning	What is the worst and best case scenario?	What is the best?	What is the worst? What is the best?	Scope is what? What is the best?	Address any delays or problems
50 Technical planning	Technical planning is an important part of the project	What is the best? What is the worst?	What is the best? What is the worst?	Scope is what? What is the best?	Address any delays or problems
60 Testing	Develop a test plan and test the project	What is the best? What is the worst?	What is the best? What is the worst?	Scope is what? What is the best?	Address any delays or problems
70 Engineering	What is the best? What is the worst?	What is the best? What is the worst?	What is the best? What is the worst?	Scope is what? What is the best?	Address any delays or problems
80 Technical	What is the best? What is the worst?	What is the best? What is the worst?	What is the best? What is the worst?	Scope is what? What is the best?	Address any delays or problems
90 Commercial and public projects	What is the best? What is the worst?	What is the best? What is the worst?	What is the best? What is the worst?	Scope is what? What is the best?	Address any delays or problems

Project 10

Full rubric, C1–C7
~1 min/learner

Activities	What to look for	1. Learning	2. Learning	3. Learning	4. Learning
40. Environmental and social impact	What is the best way to assess the impact of the project?	Identify, measure and monitor	Classify in general or specific	Compare the consequences of the project with the consequences of other options	Develop and implement the impact management plan
41. Risk and planning	What are the risks and how to manage them?	Identify the risks	Classify the risks according to the existing knowledge and the project complexity	Identify or estimate the consequences of the risks	Develop and implement the risk management plan
42. Technical design	Technical design of an infrastructure project	Identify the needs and establish the design	Identify the risks associated with the design	Develop the design for the best result	Review and update the design
43. Testing	Develop the tests and establish the test plan and test cases	Identify the tests to be carried out	Classify the tests according to the project complexity	Develop the tests	Implement the tests and evaluate the results
44. Engineering	Identify and estimate the engineering work	Identify the work to be carried out	Classify the work according to the project complexity	Develop the work plan and monitor it	Implement the work plan and report the results
45. Maintenance	Identify the maintenance activities and establish the maintenance plan	Identify the maintenance activities	Classify the maintenance activities according to the project complexity	Develop the maintenance plan and monitor it	Implement the maintenance plan and report the results
46. Communication and publicity	Identify the communication and publicity activities and establish the communication and publicity plan	Identify the communication and publicity activities	Classify the communication and publicity activities according to the project complexity	Develop the communication and publicity plan and monitor it	Implement the communication and publicity plan and report the results

Capstone

Full rubric, C1–C7
Innovation Fair

[illegible]