



*For **Unit 2: AI Prompt Orchestration (Knowledge Construction)**, the glossary should introduce learners to the vocabulary of **knowledge construction**, just as Unit 1 introduced the vocabulary of inquiry. Each definition should answer one simple question:*

"What role does this play in moving from a Refined Inquiry Question (RIQ) to an Initial Knowledge Claim (IKC)?"

Term	Simple Meaning	Role in the Journey	Guiding Question
Refined Inquiry Question (RIQ)	A clear, focused, and researchable question.	The starting point for systematic investigation.	What exactly am I trying to understand?
Knowledge Construction	Building understanding by connecting ideas, evidence, and reasoning.	Transforms information into meaningful knowledge.	How do I build understanding?
Artificial Intelligence (AI)	A digital investigation partner that helps explore knowledge.	Supports investigation without replacing thinking.	How can AI deepen my inquiry?
Foundational Understanding	Basic background knowledge about the topic.	Provides the starting map of the inquiry.	What is already known?
Concept	A big idea used to explain many situations.	Helps organise thinking.	What important ideas explain this?
Theory	A well-supported explanation of how or why something happens.	Provides explanatory frameworks.	Which theory explains this best?



Term	Simple Meaning	Role in the Journey	Guiding Question
Model	A simplified representation of reality.	Helps visualise and understand complex systems.	How can this be represented simply?
Principle	A fundamental rule or idea that generally holds true.	Guides reasoning and interpretation.	What underlying rule applies here?
Evidence	Information used to support or challenge a claim.	Forms the foundation of justified knowledge.	What supports this explanation?
Source	Where information comes from.	Determines the credibility of evidence.	Where did this information originate?
Credibility	How trustworthy a source or evidence is.	Helps judge the quality of knowledge.	Can this source be trusted?
Reliability	The consistency of evidence or findings.	Increases confidence in conclusions.	Would similar investigations produce similar results?
Validity	The extent to which evidence measures or explains what it claims.	Ensures conclusions are appropriate.	Does this truly support the claim?
Case Study	A detailed examination of one real situation.	Connects theory to practice.	What can this real example teach me?
Context	The surrounding circumstances of an issue.	Helps interpret evidence accurately.	Under what conditions does this happen?
Assumption	An idea accepted without sufficient evidence.	Reveals hidden influences on thinking.	What am I taking for granted?
Bias	A tendency that unfairly influences judgement.	Helps identify possible distortions in reasoning.	Is something influencing my judgement unfairly?



Term	Simple Meaning	Role in the Journey	Guiding Question
Contradiction	Two pieces of information that cannot both be true.	Encourages deeper investigation.	Why do these findings disagree?
Limitation	A weakness or boundary in evidence or research.	Prevents overgeneralisation.	What are the limits of this explanation?
Uncertainty	Something that is not yet fully known.	Reminds learners that knowledge evolves.	What remains unknown?
Alternative Explanation	Another possible way of explaining the same phenomenon.	Broadens reasoning and comparison.	What else could explain this?
Perspective	A particular way of viewing an issue.	Expands understanding beyond one viewpoint.	Who might see this differently?
Stakeholder	A person or group affected by an issue.	Ensures diverse voices are considered.	Who is affected by this inquiry?
Discipline	A field of study with its own methods and knowledge.	Brings different lenses to inquiry.	Which subject helps explain this?
Synthesis	Combining ideas into one coherent understanding.	Converts information into knowledge.	How do these ideas fit together?
Reasoning	Thinking logically from evidence to conclusions.	Links evidence to explanation.	Why does this evidence support my claim?
Explanation	An account of why or how something happens.	Represents the learner's current understanding.	How can I explain this clearly?
Knowledge Claim	A statement asserting that something is true or likely true.	Expresses the learner's understanding.	What do I currently believe is true?



Term	Simple Meaning	Role in the Journey	Guiding Question
Initial Knowledge Claim (IKC)	The learner's best evidence-informed explanation at this stage.	The first constructed understanding after investigation.	Based on everything I know so far, what is my best explanation?
Provisional Knowledge	Knowledge that is open to revision when new evidence appears.	Encourages intellectual humility.	Could this understanding change?
Justification	The reasons and evidence supporting a claim.	Makes knowledge defensible.	Why should this claim be accepted?
Evaluation	Judging the quality of evidence and explanations.	Determines which explanations are strongest.	Which explanation is most convincing, and why?
Knowledge Gap	An area where understanding is incomplete.	Identifies future directions for inquiry.	What do I still need to investigate?
Reflection	Thinking about how understanding has changed.	Helps learners monitor their own thinking.	How has my understanding evolved?