Inquiry Stage	Researcher Skill Level	Researcher REACTionS	Developing Researcher REACTionS
Connect			
Wonder			
	Level 1 (Year 4+ / Grade 3+) Fact-finding: Finding simple facts	Recalling Recalling and reporting the main facts discovered Making no attempt to analyse the information or reorganize it for comparison purposes	arrange; cluster; define; find; identify; label; list; locate; match; name; recall; recount; repeat; reproduce; select; sort; state
	Level 2 (Year 5+ / Grade 4+) Asking / Searching: Finding answers to questions	Explaining Recalling and restating, summarising, or paraphrasing information Finding example, explaining events or actions Understanding the information well enough to be able to put it in a new context	apply; cite; complete; convert; demonstrate; describe; document; dramatise; emulate; estimate; expand; explain; expound; express; generalise; give example; illustrate; imagine; paraphrase; portray; prepare; present; produce; propose; restate; review; search; show; solve; speculate; summarise; support; survey; translate; use
FOSIL Inquiry Cycle Investigate	Level 3 (Year 6+ / Grade 5+) Examining / Organising: Reorganising information	Analysing	analyse; apply; arrange; associate; break down; categorise; change; characterise; classify; compare; compile; construct; contrast; correlate; diagram; differentiate; discover; discriminate; dissect; distinguish; divide; examine; experiment; extend; group; infer; interpret; manipulate; map; modify; organise; outline; plan; question; reconstruct; relate; represent; revise; rewrite; scrutinise;
FOSIL Inquiry! Developing Researcher REACTIONS (2023) by the FOSIL Group Licensed under CC BY-NC-SA 4.0 Based on the ESIFC REACTS Taxonomy (2019) by Barbara Stripling & Brainstorms and Blueprints: Teaching Research as a Thinking Process (1988) by Barbara Stripling & Judy Pitts			select; separate; sequence; sift; simplify; solve; transplant; uncover; utilise; verify
	Level 4 (Year 8+ / Grade 7+) Evaluating / Deliberating: Evaluating information and conclusions	Challenging • Making critical judgments about subject based on internal or external standards • (Standards may be student's own, or teacher or class may decide criteria. "I didn't like it" or "I don't believe it" are not enough)	appraise; argue; assess; compare; criticise; debate; defend; determine; discriminate; evaluate; grade; investigate; judge; justify; modify; prioritise; rank; rate, refute; review; support; value; weigh
	Level 5 (Year 11+ / Grade 10+) Integrating / Concluding: Drawing conclusions	Transforming Bringing together more than one piece of information, forming own conclusion, and presenting that conclusion in a creative new format	blend; build; combine; compile; compose; conclude; construct; convince; create; decide; design; develop; dramatise; elaborate; express; forecast; formulate; generate; imagine; modify; persuade; plan; predict; pretend; produce; propose; revise; speculate;
	Level 6 (Year 13+ / Grade 12+) Conceptualising: Creating original solutions	Synthesising	structure build a model program; create; design; develop; devise; generate; hypothesise; invent; propose; theorise
Construct			
Express			

Reflect