Overview of STEM - Integrated Design Inquiry – 'Learning Environments'								
Teaching and Learning Theories/Models/Frameworks					Australian Curriculum (ACARA, 2017)			
J u n c	GeSTE Windows	Guided Inquiry Design (GID)	Information Search Process	Design Thinking	Yr 6 Science	Yr 5&6 Technologies -Digital -Design	Yr 6 Maths	Level 4 General Capabilities
r e	*Potential depending on students' inquiries (Lupton, 2008)	(Kuhlthau, Manitoes & Caspari, 2015)	(Kuhithau, 2004b)	(Hasso Plattner Institute of Design, 2017 )		J	*Possible content depending on students' questions	
		Open Immerse	Initiation Selection		Nature &		Data representation &	Literacy
O n e	Generic Situational	Explore	Exploration	Empathize	development of Science	Investigating  Collaborating &  Managing	interpretation  *Using units of measurement	Numeracy Critical and Creative Thinking ICT
	Generic	Identify	Formulation	Define	Questioning	Defining	Data representation &	Literacy
T W	Situational				Predicting	Collaborating & Managing	interpretation	Numeracy Critical and
Ο		Gather	Collection	ldeate	Planning & Conducting	Generating & Designing	Reasoning	Creative Thinking ICT
T h	Situational			Empathize	Planning & Conducting	Producing &	Data representation &	Literacy Numeracy
r	Transformative	Create	Collection	Define Ideate	Processing &	Implementing	interpretation	Critical and
e	Expressive*			Prototype	Analysing	Evaluating	Problem solving	Creative Thinking ICT
F	Transformative*	Share	Presentation	Test	Use & influence of Science	Evaluating	Reasoning	Literacy Critical and
r	Expressive*	Evaluate	Assessment		Evaluating Communicating			Creative Thinking ICT

Overview of STEM-Integrated Design Inquiry. Lotte ten Hacken, 2017.