

1. Record Nr.	UNINA9910350338103321
Titolo	Explorations in Technology Education Research : Helping Teachers Develop Research Informed Practice // edited by P John Williams, David Barlex
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
ISBN	9789811330100 9811330107
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xv, 290 pages) : illustrations
Collana	Contemporary Issues in Technology Education, , 2510-0335
Disciplina	607.11
Soggetti	Technical education International education Comparative education Learning, Psychology of Engineering and Technology Education International and Comparative Education Instructional Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Introduction -- Curriculum Content -- 2 Technology education in Saudi Arabia in comparison with New Zealand: Lessons for Technology Education Teachers -- 3 The localisation of technology education curriculum in Botswana -- 4 What children are supposed to learn in primary technology education -- 5 Secondary pupils' perceptions of their experiences of practical work in Technology and Design -- Stories of Technology -- 6 Technology landscapes in Children's Literature -- 7 Using narratives for communicating the nature of technology -- Planning and Pedagogy -- 8 Teachers' assessment practices -- 9 Approaches to planning that encourage creativity -- 10 Enhancing the teaching of problem solving in technology education -- 11 The influence of task difficulty on student engagement, performance and self-efficacy -- Cognition -- 12 Design cognition and student performance -- 13 Design cognition: Strategies for teachers in practice -- Girls and Technology -- 14 Practical approaches to increase girls'

interest in technology education -- 15 Where are all the students??
Factors that encourage female participants in Technology Education --
Information Technology -- 16 Using technology to support discussion
in Design and Technology -- 17 The impact of mobile devices on self
directed learning and achievement -- 18 Synopsis.

Sommario/riassunto

This volume brings together significant international research in technology education by focusing on contemporary postgraduate research, elaborating on the findings with the aim of making the content relevant to researchers, teachers and other potential researchers in the field. The book shares with readers what the research means for classroom teachers through understanding different motivations for teaching technology in schools and observing the model of learning supported by the research. Each chapter in the book includes references to the digital edition of the respective full thesis, allowing readers to consult the research in detail if necessary. This book continues the work done by 2017's Contemporary Research in Technology Education by the same editors.
