

1. Record Nr.	UNINA9910483556303321
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Titolo	Science Investigation : Student Views about Learning, Motivation and Assessment // by Azra Moeed
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2015
ISBN	9789812873842 9812873848
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (88 p.)
Collana	SpringerBriefs in Education, , 2211-193X
Disciplina	370 371.3 375 507.1
Soggetti	Science - Study and teaching Learning, Psychology of Education - Curricula Science Education Instructional Psychology Curriculum Studies
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 Science Laboratory Learning Environment, and Learning -- Chapter 3 Motivation to learn science investigation -- Chapter 4 Assessment of Science Investigation -- Chapter 5 Discussion and Conclusion -- Chapter 6 Final thoughts.
Sommario/riassunto	This book reports the findings of an interpretive case study of the phenomenon of science investigation (science inquiry) from students' perspective. Data were collected from a class of twenty-four Year 11 students in a middle size, co-educational New Zealand school, through Science Laboratory Environment Inventory, student questionnaires, focus group interviews and classroom observations. The participants provided some insightful comments about their learning of science investigation. Illustrative examples highlight; what students found motivational and what demotivated them, what and how they learnt

through carrying out science investigation, and how internal assessment influenced their motivation to learn and learning. The connectedness between the complexities of learning science investigation and how motivation, and assessment influenced these 15 year old students' learning is discussed.