

INQUIRY DIY GUIDE: INTRODUCTION

The broad field of educational research supports inquiry-based teaching, suggesting it results in greater learning engagement and critical thinking. This guide will help you adapt favourite, familiar or well-resourced activities and units to an inquiry-based approach. It is expected teachers will then use familiar curriculum and planning documents and processes to fully plan the learning sequence/unit of work.

This guide may be useful for those who:

- believe their teaching could be more effective and students more engaged in learning with an inquiry-based approach
- or
- have had experience with inquiry-based processes and require a refresher
- or
- are supporting others who are new to inquiry-based processes.

The process of adaptation is likely to raise many questions for you. Other *Science by Doing* resources are designed to complement this resource and are a further source of useful information.

Student Learning: A stimulus for professional discussion



See this [resource](#) for further information and examples of the 5E learning model and cooperative learning.

Inquiry-based Teaching: A stimulus for professional discussion



See this [resource](#) for information about the basic features of an inquiry lesson and some useful teaching strategies.

Assessment: A stimulus for professional discussion



See this [resource](#) for information about assessment in the inquiry-based classroom.

Doing Science Investigations Teacher Guide and Student Booklet



The [teacher](#) and [student](#) curriculum resources scaffold the development of science inquiry skills to enable students to undertake open investigations.



Science by Doing curriculum units, e.g. Teacher Guides, Student Guides and Student Digital



See these [resources](#) for an example of inquiry-based units which follow the 5E learning model.

