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### **ONLINE RESOURCES**

The following resources are available online by entering your access code into PearsonPlaces, at [www.pearsonplaces.com.au](http://www.pearsonplaces.com.au). Access the resources from the Teacher Support section in your Passport.

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### **AREA OF STUDY TESTS AND SOLUTIONS**

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### **PRACTICE EXAMS AND SOLUTIONS**

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# Pearson Chemistry 12 Western Australia Teacher Resource: Overview

**Pearson Chemistry 12 Western Australia Reader+** and **Pearson Chemistry 12 Western Australia Teacher Resource** provide an extensive range of resources that will support you and your students in undertaking the WACE Chemistry ATAR course. Each element included in this package is designed to help you plan for, and implement, a detailed Chemistry 12 ATAR program of teaching and learning.

The **Reader+ eBook** includes interactive activities, videos, fully worked solutions to all student book questions, mathematical skills for Chemistry ATAR and a copy of the SCSA data booklet. The teacher version of Reader+ includes all the student resources plus syllabus grids and sample teaching programs.

The **Teacher Resource** includes the syllabus grid, a sample teaching program and fully worked solutions in print and online formats, and area of study tests and practice exams in online format.

These resources will assist you in ensuring that your course addresses all the aspects of the syllabus.

## Student resources

### INTERACTIVE ACTIVITIES

These interactive activities typically include a short, animated clip along with an activity, which may be drag-and-drop or multiple choice. The advantage of having animations supporting content within the student book is to bring to life concepts that are difficult to show in static format. These concepts are then consolidated with the interactive activities that immediately follow the animation. These activities are found on Reader+.

### UNTAMED SCIENCE VIDEOS

These are a collection of short videos that place Chemistry concepts in a contextual or applied situation. These videos are available on Reader+.

### MATHEMATICAL SKILLS EXPECTED OF STUDENTS STUDYING THE CHEMISTRY ATAR COURSE

These are short, self-directed learning modules that cover all mathematical skills expected of students studying the Chemistry ATAR course. There are 16 modules provided, which include content such as scientific notation, significant figures, changing the subject of an equation and how to construct a line of best fit. These modules are available in both the student book and Reader+.

### WORKED SOLUTIONS

These are fully worked solutions to all the Worked Example: Try Yourself activities, Section Review questions, Chapter Review questions and Unit Review questions.

While the short answers are provided at the back of the student book, it is important to provide detailed worked solutions that show more detail in the problem-solving process. Fully worked solutions will provide students with further guidance on the correct reasoning behind the problem-solving and the correct way to set out their working. The fully worked solutions are available on Reader+.

### SCSA DATA BOOKLET

This is reproduced by permission of the SCSA to provide a back-up copy for your students to access at any time.

## Teacher resources

Teacher resources include information you can use to plan, implement and assess the course. With the exception of the SCSA data booklet, these are not available to students.

### SYLLABUS GRID

The syllabus grid connects the syllabus dot points to the chapter and section of the student book. Each syllabus dot point, including science understanding, science as a human endeavour and science inquiry skills, is shown alongside the chapter in which the content is covered or the skills are developed. The syllabus grid can be used to show the progression of the course through the student book. It can also provide you with a ready reference if you need to find the chapter and section of the student book that relates to any of the dot points. This grid is available on the teacher version of Reader+ and in the print and online versions of the *Teacher Resource*.

## TEACHING PROGRAM

The teaching program provides detailed structure to the course by linking the learning outcomes and assessment options to the key concepts, syllabus dot points, student book references, question references, and worked example references. You might need to modify this to suit your school's timetable. The sequence of lessons follows a logical progression of the concepts and may vary from the sequence in which the syllabus dot points are presented. References in the program to the student book include the chapter, section, student questions and worked examples to help you in the programming of your course. Suggestions for assessment tasks are also provided. Practical activities can also be sourced from other providers, such as STAWA. The teaching program is available on the teacher version of Reader+ and in the print version of the *Teacher Resource*. An editable version is available on the online version of the *Teacher Resource*.

## WORKED SOLUTIONS

These are fully worked solutions to all the Worked Example: Try Yourself activities, Section Review questions, Chapter Review questions and Unit Review questions.

Although the short answers are provided at the back of the student book, it is important to provide detailed worked solutions that show more detail in the problem-solving process. Fully worked solutions will provide students with further guidance on the correct reasoning behind the problem-solving and the correct way to set out their working. The fully worked solutions are available on Reader+ and via the print and online versions of the *Teacher Resource*.

## AREA OF STUDY TESTS AND SOLUTIONS

For each area of study, there is a test and fully worked solutions and marking guide. These can be used to construct tests for your course or to supplement revision material available for your students. These tests are only available on the online version of the *Teacher Resource*, so are initially secured.

## PRACTICE EXAMS AND SOLUTIONS

There are three practice exams with fully worked solutions and a marking guide. There is one Unit 3, one Unit 4 and one combined Units 3 and 4 exam. These can be used to construct exams for your course or as practice exams for your students. These exams are only available on the online version of the *Teacher Resource*, so are initially secured.