

# Level up III - problem based learning

Presented by Sabreena Taylor



Add challenge and intrigue to lessons while teaching 21st C and higher order thinking skills such as problem solving, creativity and critical thinking.

Format: Online - Individual

Audience: Teachers K-10

## Description

This course gives teachers the skills to develop differentiated learning and assessment through the discovery focussed strategies of problem based learning.

### Additional notes about this format

N/A

### Occurrences

There are no occurrences of this format in Australia (ACT) at this time.

## Sessions

### Module 1: Problem based learning - Is/is not

1 hour

In this module we look at the features and benefits of, and differences between the various types of differentiated learning strategies:

- problem based learning
- enquiry based learning
- project based learning
- discovery learning
- experiential learning

## **Module 2: Programming and assessment for Problem based learning**

### **1 hour**

In this module we will look at choosing a suitable topic and the assessment - both process and product. Included are opportunities for emphasising higher order thinking and the importance of backward mapping.

## **Module 3: The problem solving process**

### **1 hour**

There are many different problem solving processes - from 3 to 15 steps. We'll look at some of the examples and develop one which will suit our classes.

## **Module 4: Scaffolds for problem based learning**

### **1 hour**

In this module we'll look at some of the many scaffolds and graphic organisers which can be used throughout the problem solving process.

## **Module 5: Developing the problem solving lesson sequence**

### **1 hour**

This module covers setting up the resources for the students and planning the sequence of lessons. We will look at some sample lessons for inspiration.

## **Module 6: Assessing problem solving - rubrics, reflection, evaluation**

### **1 hour**

There are a number of issues to investigate when assessing problem solving:

- Making the final presentation authentic
- The balance between process, product and presentation
- The balance between individual and group contributions
- Peer and self assessment
- Student reflection
- Developing rubrics

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## About the team



## **Sabreena Taylor**

### **Creator**

Sabreena has been a successful consultant with TTA since 2008. Her current roles include providing tailored professional learning and consultancy services in Instructional Practices Inventories (IPI - student cognitive engagement and higher order thinking), strategic planning, school evaluation, change management, classroom practice, ICT and History. In 2015 Sabreena traveled to the United States to train with IPI developer, Professor Emeritus Dr Jerry Valentine of the University of Missouri, and is now the only certified teacher trainer for IPIs in the Asia-Pacific region.

Sabreena is the Professional Learning Consultant- History/Civics and Citizenship as part of the quality assurance team at TTA. Sabreena has presented at both State and National conferences on topics such as user engagement in workplace online learning, augmented reality and using data in schools including Instructional Practices Inventories.

Sabreena's career in education has been varied, contributing at local, regional and State levels. In her 32 years in education Sabreena has been a head of History, regional Quality Teaching Consultant and Professional Learning and Leadership Coordinator with the Education Department of New South Wales.

Sabreena's work has included developing online learning, the implementation of the Australian Curriculum and designing and delivering a wide range of courses registered with the NSW Institute of Teachers. Her most recent role was as School Planning and Performance Advisor in the Learning, High Performance and Accountability directorate developing online solutions for effective school planning, monitoring, evaluation and reporting.

Sabreena has been able to feed her passion for all things History through forming networks of History teachers, Ancient History HSC marking, developing ICT History resources and, of course, travel. Sabreena has also been Head judge during the standards setting process for the Ancient History HSC.



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Please note, by submitting this enrolment form you are confirming that you have been given financial approval by your employer to attend this course. Cancellation advice should be given in writing 7 days before the commencement of this course.

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Product: Level up III - problem based learning

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Occurrence Date:

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Your Name:

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