

enVisionMATHS Online Tutorial Guide 1

Tutorial 1.1: Overview

Introduction

This guide provides an overview of the enVisionMATHS program. It discusses the program's philosophy and organisation and how it differs from other Australian primary maths offerings.

What is enVisionMATHS?

enVisionMATHS is a multi-component, topic-driven teaching and learning program aligned to the Australian Curriculum: Mathematics. It gives primary students a deeper conceptual understanding of and higher proficiency in maths.

The program features extensive teacher support materials including maths background knowledge, differentiation strategies, instructional questions, suggested lesson sequences and a range of assessment tasks.

Program Philosophy

enVisionMATHS helps students develop conceptual understanding of important maths concepts.

The program incorporates powerful visual learning strategies that make meaningful connections between known and new maths ideas. Step-by-step visual instruction using the Visual Learning Bridge or the Visual Learning Animation (or Topic-opener Video for years 5 and 6) deepens students' understanding of the concept.

enVisionMATHS is a multi-component classroom program because only with a range of resources can differentiation be achieved; proficiency aims of the Australian Curriculum be met and a range of interesting maths resources be provided for students.

enVisionMATHS has a particularly strong focus on investigation and open-ended problem-solving in line with the Australian Curriculum: Mathematics.

Organised by Topic

enVisionMATHS is structured the way you teach.

Each year-level program is organised around 12 or 13 topics. These topics are ordered and colour-coded by Australian Curriculum content strands: Number and Algebra, Measurement and Geometry and Statistics and Probability.

enVisionMATHS was built, step-by-step, alongside the Australian Curriculum: Mathematics.

Topics are Focused

The enVisionMATHS topics are focused. They contain coherent, digestible groups of lessons with a common focus. In any Teacher Resource Booklet, there is a Maths Background for Teachers section (pages 2 and 3). This section outlines the Topic Focus and the Essential Understandings for the topic. It also provides topic-based maths background information and further information on the topic together with specific teaching tips.

Topics are Flexible

enVisionMATHS topics are flexible. They can be moved around to provide a personalised curriculum based on a school's preferred maths sequence.

Topics are Convenient

The topic-based approach means that all components are linked by topic. One handy Teacher Resource Booklet for each topic covers all program components and supplies everything you need for planning, from initial preparation through to summative assessment.

You'll find everything you need in one place.

Why is enVisionMATHS Different?

enVisionMATHS combines modular, print-based teaching resources with breakthrough digital teaching and learning tools. This full integrated combination is what makes enVisionMATHS different.

enVisionMaths is a complete classroom maths program containing all that is needed to provide a variety of learning experiences and differentiation across Foundation to Year 6. This breadth and the inclusion of elements such as the Interactive Whiteboard DVD, Activity Zone and Maths Thinking Skills Book differentiates it from the more limited Activity Book and Teacher's Guide of other series.

The use of Visual Learning Bridges and instructional animations is unique to the program and provides for deep conceptual understanding of maths in accordance with the aims of the Australian Curriculum.

Unique Features

- All elements are topic based and are connected by these topics
- The pairing of the Activity Zones and Maths Thinking Skills Books
- enVisionMATHS gives students a voice by providing many opportunities to discuss, work in groups and reflect