

enVisionMATHS Online Tutorial Guide 1

Tutorial 1.2: Components

Introduction

This guide provides an outline and description of all the enVisionMATHS components available for each year level.

enVisionMATHS Components

enVisionMATHS components cater for the seven year levels of the Australian Curriculum: Mathematics, Foundation to 6.

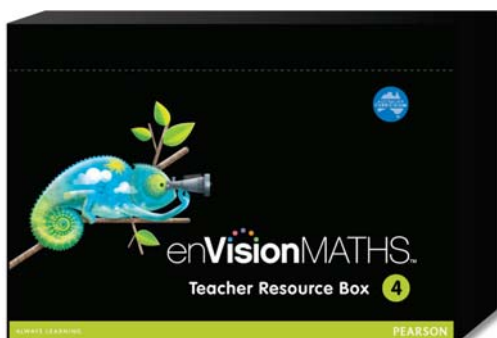
For each year level, enVisionMATHS provides:

- a Teacher Resource Box
- an Interactive Whiteboard DVD
- a Student Activity Book, and
- an Activity Zone Box.

Two Maths Thinking Skills Books, one for Foundation to 2 and one for 3 to 6, complete the components.

Teacher Resource Box

The Teacher Resource Box for each year level contains an Overview and Implementation Guide, a Teacher Resource DVD and 12 or 13 topic-based Teacher Resource Booklets.



Overview and Implementation Guide

The Overview and Implementation Guide provides the outline of the enVisionMATHS program for each year level, together with program implementation guidance. Every feature of the program, from planning tools through to assessment recording sheets is illustrated, described and explained in this guide.

Teacher Resource DVD

The Teacher Resource DVD is found at the back of each Overview and Implementation Guide. It contains the Differentiated Worksheets, Visual Learning Bridges, Diagnostic Assessments and editable planning and recording documents for the specified year level.

The DVD also contains these items for the year below and the year above to allow for differentiation in the classroom (note that for Foundation, material is provided for Years F to 2 and for Year 6, material is provided for Years 4 to 6).

Teacher Resource Booklets

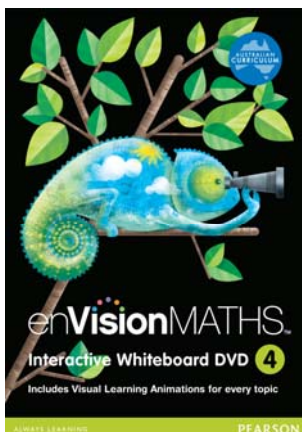
Each Teacher Resource Box contains either 12 or 13 topic-based Teacher Resource Booklets covering each lesson for that year level. Each booklet includes the planning and assessment information and tools necessary to implement each topic of the program. Each booklet also includes reduced-sized copies of all components for the topic so that teachers need only refer to one lightweight booklet when planning.

Every Teacher Resource Booklet has a uniform format covering:

- topic-based planning
- lessons, and
- assessment.

Interactive Whiteboard DVD

The Interactive Whiteboard DVD contains the Visual Learning Animations (for Years Foundation to 4), the topic-opener Videos (for Years 5 to 6) and the Visual Learning Bridges (for all year levels).

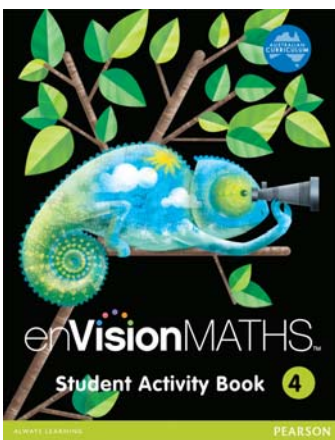


It also contains Tools4Maths, 11 exciting digital tools that have a range of uses.

Student Activity Book

The Student Activity Books at each year level allow for deepening understanding, building fluency, reasoning, mental computation and open-ended problem solving.

The Student Activity Books are full colour and make extensive use of engaging visual-learning strategies.



These books are not full of practice questions. Rather, the instructional design of enVisionMATHS has students apply what they know in response to a group of carefully written questions with plenty of space to show their thinking.

Activity Zone

The Activity Zone is a boxed set of sturdy, laminated cards that are designed to promote interaction between students and make maths learning meaningful and enjoyable.

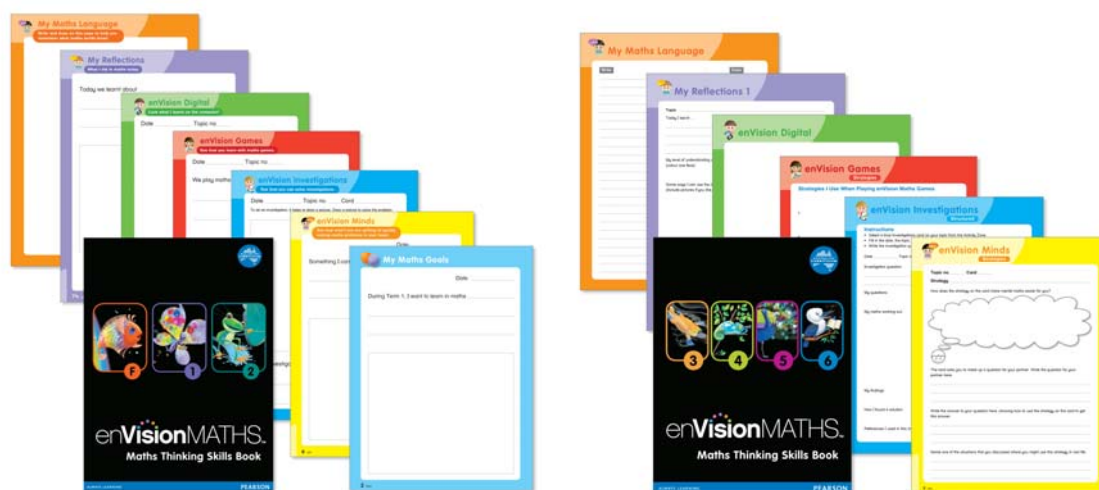


For Years Foundation to 2 there are two Activity Zone boxes for each year level containing four copies of each enVision Investigations, Games and Digital card. For Years 3 to 6 there is one Activity Zone box for each year level containing one copy of each enVision Games card, two copies of each enVision Minds and Investigations card and four copies of each enVision Digital card.

All the Activity Zone cards are reproduced at reduced (but readable) size in the Teacher Resource Booklets so teachers can easily plan which cards to use with lessons.

Maths Thinking Skills Book

The Maths Thinking Skills Book is aligned directly to the card activities in the Activity Zone. It provides opportunities for students to record their maths thinking in areas such as games strategies, investigations and reflection. This book provides teachers, students and parents with a valuable portfolio of a student's mathematical thinking and their goals for that year's work.



There is one book suitable for use in Years F, 1 or 2 and another book suitable for use in Years 3, 4, 5 or 6.