## Geometry Levels 2-3

Pg 8: Box of Tricks; could be used to begin building the notion of 3 dimensional shapes.
Pg 9: Roll Over; introducing the notion of a net to produce a shape
Pg 10: Little Boxes; could be used to introduce the notion of 3D drawing and isometric dot paper.
Pg 11: Points of View; could be used to introduce viewpoints which might be useful for planning an outcome, especially when working with Hard Materials.

## Geometry Level 3

Pg 5: Let's Face It; could be used to extend thinking about 3D view. Activity sheet shows a plan view, and then a 3D view.
Pg6/7: Starting Blocks; Interpreting 3D images, and using isometric paper. Pg 8/9: Different Viewpoints; Developing drawing in 3D.
Pg 10: A Chip off the Old Block; Extending 3D drawing
Pg 11: Nutting out Nets; Developing the idea of nets to form different shapes, as well as the idea that there can be more than one way to design a shape. Uses the language of "models".
Pg 12: City Skyline; could be used to develop the concept of a model to test an idea (will my net or drawing of this building translate to 3D?)
Pg 13: Room with a View; using 1 cm square dot paper, introducing the notion of scale mapping (there is a tech table in the diagram!)
Pg 17: Slice of Life; has a recipe for "cooked dough". Also uses language of modelling and investigation.

## Geometry Levels 3-4

Pg 10/11: Caught in the Nets; uses the language of models and connects that with drawing a plan / net.
Pg 13: Cube Creations; extends thinking around 3D and the use of isometric paper.
Pg 14: Building Boldly; uses the language of "plan views" and how to interpret plans.
Pg 15: Blocked Plans; could be used to develop the notion of plans and perspective viewpoints.

## Geometry Book One Years 7-8

Pg 10 / 11: A Different View; connecting perspective with plan drawing, and 3D shapes. Also develops non-symmetrical shaped drawing eg cup, sandwich.
Pg 12: Loads of Lamingtons; designing 3 boxes using nets and moves from design to actual construction. Could be used if you had a focus on some aspect of packaging.

## Geometry Book Two Years 7-8

Pg 4: X-ray Vision; could be used to develop students ability to visualise shape. Also extends ideas of perspective and nets.
Pg 5: Winning Ways; develops the idea of "possible plans". Also has notions of using a model to get feedback.
Pg 6: Missing Anything; visualising 3D from different angles
Pg 7: Fair and Square; concept of "bird's-eye view"
Pg 10: Perfect Packaging; investigating ideas of packaging and testing different models.

## Measurement Levels 2-3

Pg 1: Stretching It Out; introducing cm as a unit of measure using real objects. Pg 8: Fitting It In; producing a model to test for size. Could also be good for links to a packaging type unit, and testing fitness for purpose.

## Measurement Level 3

Pg 1: Three Chairs; good for extending ideas about $\mathrm{m}, \mathrm{cm}$, mm . Uses chairs, could be used to introduce the idea of ergonomics.

## Measurement Book One Years 7-8

Pg 4: Little Links; could be used for working out the best way to get the most out of a given material.
Pg 8/9: Castle Construction; good for "instructions" and actual production.

## Geometry and Measurement Years 7-8 (LINK)

Pg 6/7: Cantitowers; could be used to explore 2D drawing and making a model of the design.
Pg 8: Open and Shut; could be used to explore nets and test ideas.

## Proportional Reasoning Book One Level 3-4+

Pg 11 Magnificent Models; could be used to develop thinking about scale proportion. Also notion of taking a real object and working out it's scaled down size.

Proportional Reasoning Book Two Level 3-4+
Pg 24: da Vinci's Ratio; could be used to explore concepts about the connection between the body and mathematical theory - also good for non-standard units of measure.

