

Innovative Products for Teaching and Learning Strand 1 & 2

STRAND 1 PROBABILITY & STATISTICS

PROBABILITY KIT



Teach probability skills using whole class instruction as well as individual and cooperative learning with this comprehensive kit. Featuring 171 individual pieces, it includes 24 double-sided, reproducible activity and teacher demonstration cards with teaching notes and an answer key, nine different spinners, 40 assorted coins, 4 colored number cubes, 5 polyhedra dice, 6 soft dot dice, 6 soft number dice and 20 red and yellow chips. Overhead components include 3 spinners, 52 playing cards, 20 red and yellow chips and two each of dot dice, number dice and coin dice.

PROBABILITY TESTING KIT



Probability Testing Kit
This kit provides a variety of items for testing probability. Contains bottles, beads and a binostat.

Binostat

A wonderful way to demonstrate the laws of probability: students watch ball bearings form a distribution curve as they drop through a grid!
See the laws of probability in action. Ball bearings form a binomial distribution curve in the bottom tray as they drop through the grid in the top.







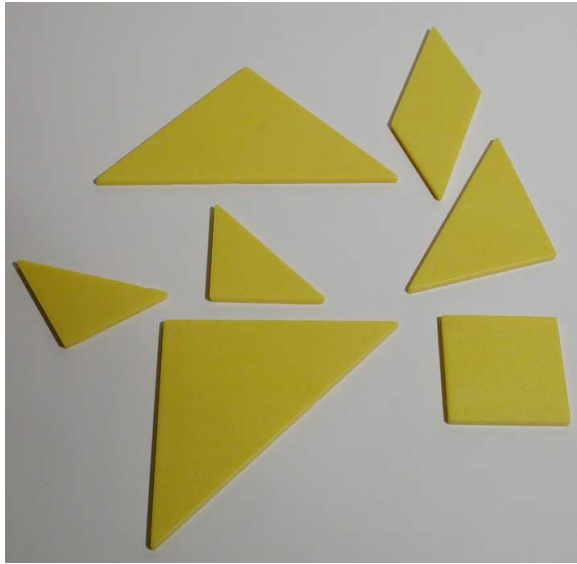
Jumbo Playing Cards

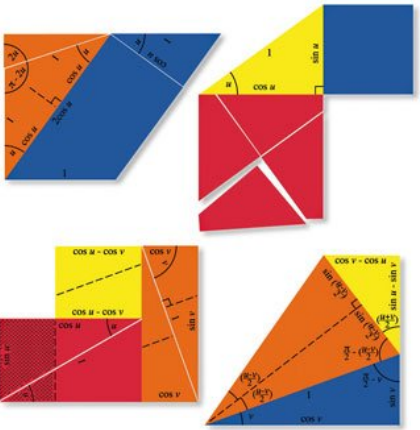

Jumbo Set of Playing Cards

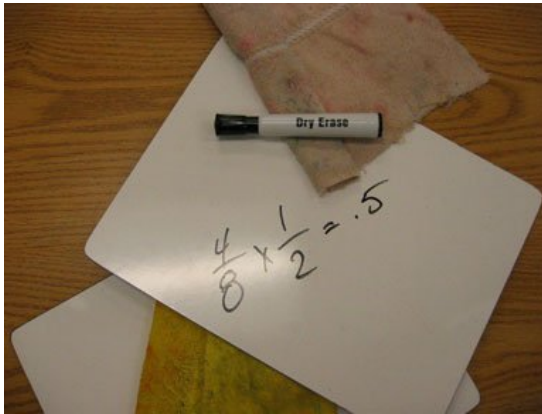
Jumbo Playing Cards Super-sized 4.5" x 7" cards are perfect for classroom learning and game play! Teach any standard card game or probability with these colourful cards. Cards are coated for durability. Includes 52 playing cards with two jokers and one activity card with multiple games and classroom activities.

STRAND 2 GEOMETRY & TRIGONOMETRY

 A collection of colorful plastic strips (red, yellow, blue, and grey) connected by brass pins, forming various geometric shapes like triangles and polygons.	<p>Geo Strips</p> <p>Flexible, colourful strips which fasten together with brass connectors to form a wide range of geometric figures. The set consists of 68 strips of various sizes, box of connectors, a protector and 11 carefully graded work cards.</p>
 A blue tripod-mounted theodolite with a white circular base and a white semi-circular scale on top.	<p>Theodolite</p> <p>Manufactured in robust materials to withstand outdoor use. Strong adjustable legs are telescopic for easy storage. The level indicator ensures accurate set-up. Both the horizontal and vertical scales move and measure to an accuracy of 0.5 degrees. Complete with product guide. Maximum assembled height: 83cm</p>

	<p>Geometric Construction kit</p> <p>Used by teachers to demonstrate geometric constructions or drawings</p>
	<p>Geoboards:</p> <p>Learn problem solving and the language of mathematics as you explore a variety of math topics using Geoboards</p>
	<p>Tangrams</p> <p>Use tangrams to motivate your students! This exciting manipulative will develop the skills necessary for students' to become confident problem solvers and to think logically and strategically.</p>

	<p>Hands-On Trigonometry Proofs</p> <p>This set contains four separate "proofs" of trigonometry relations, with examples of a Pythagorean identity, a sum formula, a double-angle formula, and two sum-to-product formulas:</p> <ul style="list-style-type: none"> • $\sin^2 u + \cos^2 u = 1$ • $\sin (u + v) = \sin u \cos v + \sin v \cos u$ • $2 \cos^2 u = 1 + \cos 2u$ • $\cos v - \cos u = 2 \sin u-v/2 \sin u+v/2$ • $\sin u - \sin v = 2 \sin u-v/2 \cos u+v/2$ <p>Demonstration of each relation is accomplished by physically rearranging the pieces to establish equalities of areas or lengths. These are not rigorous mathematical proofs, but rather visual common-sense proofs. As such, they help make these abstract relationships real and believable. By actually handling the pieces, students engage their minds to a greater degree than they would by merely looking at the proofs on paper.</p>
	<p>Student Geometry Set</p> <p>A must have for all students studying Geometry at second level. All-in-one quality selection of geometry essentials in a Gratnell tray. Contents: 30 each of angle measure, shatter resistant 30cm/300mm ruler, safety compass, 90mm pencil, 60 and 45 degree set squares. Tray includes insert and lid for storage. H75 x W312 x D427mm</p>



Student White Boards

With individual student whiteboards you can save paper, and keep your whole class engaged all at the same time. Students can easily write short answers on their boards and then hold them up for you to quickly scan and check.



Clinometer

One of the most common applications of the clinometer has to do with measuring angles as they relate to the slope of natural formations or buildings and other human construction projects. The clinometer may be used to measure both inclines and declines, based on the perspective of the individual calculating the measurements. See [T&L 8](http://www.projectmaths.ie) on www.projectmaths.ie for more uses of a clinometer