

OUTDOOR MATHS KIT OVERVIEW

| | Title | Activity | Preparation | What you need from your Outdoor Maths Kit |
|--|------------------------------|---|--|--|
| | Find your Factor | Fast-paced game for practicing multiplication and division facts. | None | <ul style="list-style-type: none"> • Chalk |
| | Ladders | Traditional ladders game reinvented for maths revision. | None | <ul style="list-style-type: none"> • Chalk |
| | How far can we fly? | Investigate angles using paper planes and scale models. | Get A4 and A3 paper, or A5 and A4. | <ul style="list-style-type: none"> • Protractors • Whiteboards • Tape measures • Chalk |
| | Get your bearings | Plot a course using bearings. Measure and follow angles accurately. Draw and use a map to scale. | Review bearings in class. | <ul style="list-style-type: none"> • Protractors • Whiteboards • Tape measures • Chalk |
| | Car Park Conundrums | Measure car park spaces and carry out calculations for total area and a proposed extension. Scale drawings. | Access to the car park. Risk assessment for car park access. | <ul style="list-style-type: none"> • Tape measures • Whiteboards |
| | Explore The Perimeter | Challenge pupils to draw shapes with a specified perimeter. Accurate calculation and measuring required. | Identify an area of hard standing pupils are allowed to draw on with chalk. | <ul style="list-style-type: none"> • Tape measures • Chalk |
| | Highest Heights | Estimating the height of trees and other objects that are too tall to measure. | Identify tall objects the pupils can access - trees, playground equipment, window or door heights outside. | <ul style="list-style-type: none"> • Tape measures • Whiteboards |
| | Tree-mendously Old | Measuring the girth of trees and calculating the age of trees. | Trees that pupils can measure. Preferably a range of widths. | <ul style="list-style-type: none"> • Tape measures • Whiteboards |

MATHS BOX OVERVIEW

| | Title | Activity | Preparation | What you need from your Maths Week box |
|--|--------------------------------|--|---|---|
| | Is Faster Better? | Survey cars in the car park. Research speed 0-60 and mpg then graph and compare this data. | Access to the car park. Risk assessment for car park access. Pupils will need to carry out research on their chromebooks. | <ul style="list-style-type: none"> • Tape measures |
| | Graphs, Glorious Graphs | A variety of ideas for data that pupils can collect outside and then produce a graph. | None | <ul style="list-style-type: none"> • Whiteboards |
| | Make A Bolt For It | Pupils gather data about their stride and height then use stopwatches to test their pace. Use a scatter graph and evaluate whether there is a correlation. | None | <ul style="list-style-type: none"> • Tape measures • Whiteboards • Stopwatches |
| | Hopscotch Muddle | Playing Hopscotch to gather data and use the stopwatch to record the time taken. | Identify an area of hard standing pupils are allowed to draw on with chalk. | <ul style="list-style-type: none"> • Tape measures • Whiteboards • Chalk |
| | Scavenger Hunt | Collect objects found outside then prepare pie charts and bar charts with the data. | None | <ul style="list-style-type: none"> • Whiteboards |
| | Pace & Distance | Apply percentages to increase and decrease the race area, then record pupil's pace over each distance. | None | <ul style="list-style-type: none"> • Tape measures • Whiteboards • Stopwatches |
| | Maths Trail | A toolkit and example 'bases' to help you create a maths trail at your school. | Choose your questions, print and laminate then put up outside. | |
| | Nature Shop | Working within a budget; calculating prices and profit. | None | <ul style="list-style-type: none"> • Whiteboards • Chalk |
| | Topping the Charts | Using a place value chart to form and modify numbers. | None | <ul style="list-style-type: none"> • Whiteboards |