

Most used mathcentre resources – 1 December 2013 – 30 November 2014

The table below list the 60 most used resources in the period 1 December 2013 – 30 November 2014¹ during which visits were made by visitors.

Eight *Community Project* resources and all four *Practice and revision booklets* appear on the list. There are a number of *Teach Yourself* booklets and accompanying *Video tutorials*.

Four web resources are popular – [statstutor](#) (the sister site to **mathcentre** for statistics), mathematic support materials from the University of Plymouth and both the student and teacher interface for *maths eg* which provides questions for students to practise.

Also on the list are one of the video animations and one of collection of videos which may be used to motivate students to study mathematics.

| No | Resource Name | Resource Type |
|----|--|-------------------------------|
| 3 | maths eg | Community Project resource |
| 4 | First Order Ordinary Differential Equations | Community Project resource |
| 5 | Facts & Formulae for Functional Mathematics | Community Project resource |
| 14 | maths eg Teacher interface | Community Project resource |
| 17 | Facts & Formulae for Functional Mathematics | Community Project resource |
| 18 | Mathematical Tools for Physical Sciences and Systems Biology | Community Project resource |
| 54 | Second order differential equations | Community Project resource |
| 59 | Solving Differential Equations by Separating Variables | Community Project resource |
| 1 | Algebra Refresher | Practice and revision booklet |
| 2 | A Calculus Refresher | Practice and revision booklet |
| 9 | Algebra Refresher - Interactive version | Practice and revision booklet |
| 19 | Numeracy Refresher | Practice and revision booklet |
| 53 | Basic Differentiation | Practice and revision booklet |
| 6 | Logarithms | Teach Yourself booklet |
| 7 | Arithmetic and geometric progressions | Teach Yourself booklet |
| 8 | Completing the square | Teach Yourself booklet |
| 20 | Integrating algebraic fractions 1 | Teach Yourself booklet |
| 21 | Indices or Powers | Teach Yourself booklet |
| 24 | Tangents and normals | Teach Yourself booklet |
| 26 | Introduction to vectors | Teach Yourself booklet |
| 29 | Quadratic Equations | Teach Yourself booklet |

¹ Google Analytics

| | | |
|----|--|------------------------|
| 30 | The Chain Rule | Teach Yourself booklet |
| 32 | The geometry of a circle | Teach Yourself booklet |
| 33 | Percentages | Teach Yourself booklet |
| 34 | Pascal's triangle and the binomial theorem | Teach Yourself booklet |
| 35 | Trigonometric equations | Teach Yourself booklet |
| 37 | Cartesian components of vectors | Teach Yourself booklet |
| 38 | Transposition of formulae | Teach Yourself booklet |
| 39 | Maxima and minima | Teach Yourself booklet |
| 41 | Integration by parts | Teach Yourself booklet |
| 42 | Fractions: adding and subtracting | Teach Yourself booklet |
| 43 | Composition of functions | Teach Yourself booklet |
| 45 | Differentiation from first principles | Teach Yourself booklet |
| 47 | Exponential and logarithm functions | Teach Yourself booklet |
| 48 | Simultaneous linear equations | Teach Yourself booklet |
| 49 | Differentiation of the sine and cosine functions from first principles | Teach Yourself booklet |
| 51 | Factorising quadratics | Teach Yourself booklet |
| 52 | Equations of straight lines | Teach Yourself booklet |
| 56 | Polynomial division | Teach Yourself booklet |
| 57 | Mathematical language | Teach Yourself booklet |
| 58 | Integration as a summation | Teach Yourself booklet |
| 10 | Logarithms | Video tutorial |
| 11 | Completing the square - an Animation | Video animation |
| 12 | Arithmetic and geometric progressions | Video tutorial |
| 13 | Force and motion - Mike Savage | Video |
| 16 | Tangents and Normals | Video tutorial |
| 22 | The Chain Rule | Video tutorial |
| 23 | Completing the Square - by Inspection | Video tutorial |
| 25 | Integration by substitution | Video tutorial |
| 28 | The geometry of a circle | Video tutorial |
| 31 | Differentiation from first principles | Video tutorial |
| 36 | Integration by parts | Video tutorial |
| 40 | Factorising Quadratic Equations | Video tutorial |
| 44 | Maxima and Minima | Video tutorial |
| 46 | Powers | Video tutorial |
| 50 | Transposition or Re-arranging Formulae | Video tutorial |
| 55 | Exponential and logarithm functions | Video tutorial |
| 60 | Integration using trig identities or a trig substitution | Video tutorial |
| 15 | statstutor | Web resource |
| 27 | Mathematics Support Materials from the University of Plymouth | Web resource |