

The Bridge to A level Therapy



Therapy for Topics

All therapy references are referenced to the *PiXL Maths App* and/or *MyMaths*

For the *PiXL Maths App* you need to navigate to the *Therapy* videos.

After logging in, select the *Design a Test* tab.

This will give you 7 tabs to choose from (Number, Algebra, Ratio & Proportion, Geometry, Probability, Statistics and Problem Solving). Select one of these; this is the *Topic*.

You will now see a menu of *Test Titles*. Select the one you need, and you will need to select the *Begin Test* button.

You need not do this test, but it will bring up the *Therapy Video* button which you now select.

This will give you the menu of Therapy video titles applicable to this test, Select the one you need.

In Summary, all therapy references are for therapy videos from the PiXL Maths App.

The relevant video is found by accessing

Design a Test / Topic / Test Title / Therapy video title

The PiXL Maths App can be downloaded free from the PiXL website

<http://mathsapp.pixl.org.uk/>

For *MyMaths* your school needs to supply you with your login details

The hyperlinks in this document will take you directly to the pages you will need.

Therapy for Topic 1	Quadratic equations
<p>Maths App Reference</p> <ol style="list-style-type: none"> 1. Functions / Graph transformations part a / Recognise the shape of quadratic graph transformations 2. Functions / Graph transformations part a / Calculate the minimum point of a quadratic function 3. Algebra / Equations / Solve simple quadratic equations <p>MyMaths Reference https://app.mymaths.co.uk/574-resource/solving-quadratics https://app.mymaths.co.uk/575-resource/quadratic-formula https://app.mymaths.co.uk/576-resource/completing-the-square</p>	
Therapy for Topic 2	Algebra
<p>Maths App Reference</p> <ol style="list-style-type: none"> 1. Algebra / Harder equations and re-arranging formulae / Re-arrange a formula where the subject appears more than once <p>MyMaths Reference https://app.mymaths.co.uk/563-resource/algebraic-manipulation</p>	
Therapy for Topic 3	Simultaneous equations
<p>Maths App Reference</p> <ol style="list-style-type: none"> 1. Algebra / Simultaneous equations / Solve linear and non-linear simultaneous equations <p>MyMaths Reference https://app.mymaths.co.uk/195-resource/quadratic-simultaneous-equs</p>	
Therapy for Topic 4	Surds
<p>Maths App Reference</p> <ol style="list-style-type: none"> 1. Number / Surds / Simplify a surd 2. Number / Surds / Rationalise a surd 3. Number / Surds / Operate with surds <p>MyMaths Reference https://app.mymaths.co.uk/599-resource/surds-part-1 https://app.mymaths.co.uk/600-resource/surds-part-2</p>	
Therapy for Topic 5	Indices
<p>Maths App Reference</p> <ol style="list-style-type: none"> 1. Number / Indices / Evaluate positive, negative and fractional indices <p>MyMaths Reference https://app.mymaths.co.uk/597-resource/indices-part-2 https://app.mymaths.co.uk/598-resource/indices-part-3</p>	

<p>Therapy for Topic 6</p> <p>MyMaths Reference https://app.mymaths.co.uk/559-resource/equation-of-a-line</p>	<p>Properties of lines</p>
<p>Therapy for Topic 7</p> <p>MyMaths Reference https://app.mymaths.co.uk/588-resource/sketching-polynomials</p>	<p>Sketching curves</p>
<p>Therapy for Topic 8</p> <p>Maths App Reference 1. Functions / Graph transformations part a / Recognise the shape of quadratic graph transformations 2. Functions / Graph transformations part a / Calculate the minimum point of a quadratic function 3. Functions / Graph transformations part b / Recognise trigonometric graph transformations 4. Functions / Graph transformations part b / Interpret values from a transformed trigonometric graph</p> <p>MyMaths Reference https://app.mymaths.co.uk/585-resource/transforming-graphs</p>	<p>Transformation of functions</p>
<p>Therapy for Topic 9</p> <p>Maths App Reference 1. Geometry / Trigonometry / Calculate an unknown angle or side using SOH CAH TOA 2. Geometry / Trigonometry / Apply Pythagoras' Theorem and SOH CAH TOA in 3D contexts</p> <p>MyMaths Reference https://app.mymaths.co.uk/663-resource/special-triangles</p>	<p>Trigonometric ratios</p>
<p>Therapy for Topic 10</p> <p>Maths App Reference 1. Geometry / Sine and Cosine Rules / Apply the sine and cosine rules to calculate a length or an angle 2. Geometry / Sine and Cosine Rules / Calculate the area of non-right angled triangles and of a segment.</p> <p>MyMaths Reference https://app.mymaths.co.uk/656-resource/the-cosine-rule</p>	<p>Sine / Cosine Rule</p>