



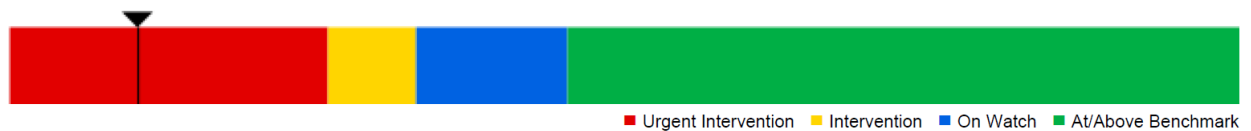
**Notre Dame Catholic College
Numeracy Interventions**

At Notre Dame Catholic College we believe in a blended approach to intervention support. This is to enable pupils to access a full suite of interventions that are delivered in person and online, both 1:1 or independently.

STAR Maths

For reading support, pupils are assessed using the STAR Maths test, this provides us with a mathematical working age/stage for the pupils, but also identifies where on an intervention spectrum the pupil lies against the school benchmark for that age, taking into account national data of pupils who have also taken the test. This will then identify the support needs that a pupil requires, but more importantly the urgency and regularity of an intervention. The chart below shows the spectrum and how we identify such interventions;

School Benchmark - Year 9



The report also identifies the scaled score of a pupil, their percentile ranking against other pupils their age nationally and most importantly the areas for development. The report also determines the year assignment book that is required to support the pupil and to enable them to progress further.

Star Maths Scores		
SS: 357 (Scaled Score)	■ Urgent Intervention	Zakaria's Scaled Score is based on the difficulty of questions and the number of correct responses.
PR: 1 (Percentile Rank)		scored greater than 1% of students nationally of a similar age.
PR Range: 1 - 1		The range of potential variability in Zakaria's PR score.
NRSS: 69		The Norm Referenced Standardised Score converts Zakaria's "raw score" to a standardised score which takes into account the student's age in years and months to show how the student is performing relative to a national sample of students of the same age. The norm score is 100. A higher score is above norm and a lower score is below norm.
SGP: -		The SGP is a norm-referenced percentile-based quantity ranging from 1 to 99 indicating progress relative to other students, in the same year group, with a similar achievement history.
Domain Scores		
Algebra Ratio, proportion and rates of change: 1 Algebra: 1 Geometry Geometry: 1 Numbers and Operations Number - arithmetic operations: 1		Domain scores, ranging from 1-100, estimate percent of mastery on skills in each domain in Year 9.
Maths Recommendation		
Recommended AM Library		If you are using the Accelerated Maths™ management software system with assign the Year 1 library. He may move through the first part of this library quickly and the second part of the Year 1 library should be very suitable for

This provides us, as a school with a baseline with which to support the pupils and we retest them using this approach every half term so that we can track and monitor progress, but also make sure that those pupils who are on the 'Watch list' and those that do not require intervention never fall behind.

Accelerated Maths

Once a pupil has completed the STAR Maths test they are also enrolled on the Accelerated Maths programme if they require intervention/urgent intervention. They will be assigned a workbook that matches their test results and age/stage of learning. This work book contains three main elements;

- **A practice** – this enables the pupil to practice areas that they need development and provides them with a score of how they have done. They can see improvements over time and they can track their own progress.
- **An exercise** – This is more specific and allows for more depth and more targeted intervention on areas for development.
- **A diagnostic** – This enables us, as professionals to see specific areas within an assigned set of objectives where a pupil needs further developments.

A pupil will be assigned each of these and this will inform the work that they complete. They will then be tested on these specific areas and again they can see progress over time.

Work is completed online within the Base room and overseen by our Maths HLTA and SENCO. Work can also be printed out and given to pupils. Pupils can access this in school and also at home if it is deemed appropriate.

More information can be found here [Accelerated Maths](#)

TT Rockstars

This is an online platform that enables pupils to carefully practice their timetables in a structured and sequenced way, whilst also having fun. Each week the pupils concentrate on a different times table, with a consolidation week to enhance the learning experience and help with retention of information.

There is an element of competition within this programme and that enables pupils to want to become better.

Timetables are fundamental to so many skills within math and this programme boosts pupils' confidence and knowledge retention in a way that will allow them to access the entire curriculum.

More information can be found here [TTRockstars](#)

Numeracy Support with HLTA

Our Numeracy HLTA supports pupils in a 1:1 and small group capacity, using data to track and assess pupils' individual needs. They step in when additional teaching or support is needed in specific areas and they also offer practical and personable support to pupils. This blended approach to teaching allows pupils to access online resources and tools to support them, but also provides them with reassuring conversations.

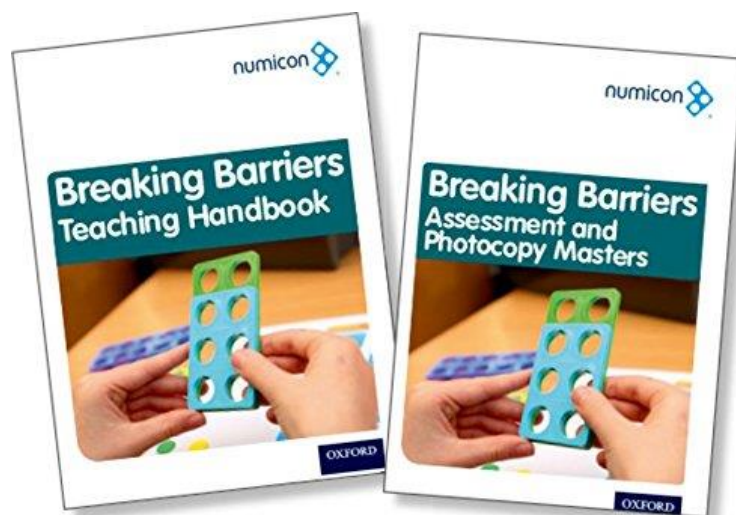
Our Numeracy HLTA also manages the STAR Maths and Accelerated Maths programmes with the school SENCO, tracking data and analysing it throughout the year.

Numicon – Breaking Barriers

Numicon is a set of resources that further supports pupil's mathematical knowledge and understanding in a visual and recognisable way. It is used to support those pupils who are still working within the Key Stage 1 and Key Stage 2 curriculum areas. This year we have bought the Breaking Barriers Teaching Handbooks and also the Apparatus set. These are used in conjunction with each other and they are used within classroom lessons (smaller groups), but also in 1:1 and small group interventions.

Numicon is a tool that we use alongside our daily practice and supports the pupils with tactile and kinaesthetic approaches to learning, but also supports those pupils who have other additional needs, such as SpLD, dyslexia and dyscalculia.

More information can be found here [Breaking Barriers](#)



Other interventions are used on a personal and individual level for literacy support across the school and these adaptations and reasonable adjustments are put into place on a needs basis. Notre Dame Catholic College is always adapting and improving our practice and over time the school will add to its provisions.

If you require any further information, please do not hesitate to contact our SENCO, Mr. McVerry (amcverry@notredame.liverpool.sch.uk)