

Year 7 Catch Up - Numeracy strategy statement 2017-18



1. Barriers to future attainment		
In-school barriers		
A.	Attitudes to Numeracy	
B.	Creating a level of independence through developing thinking skills	
C.	Transferring ability to problem solve and reason between all subject areas and developing the use of a common language and approach and ensuring the consistency within the school	
External barriers		
D.	Parental attitudes and numeracy	
2. Desired outcomes		Success criteria
A.	Ensure that attitudes to numeracy are positive and all subjects are encouraged students to the three core areas of numeracy at Cowplain	All departments to use the numeracy audit to develop planning and focus on develop the 3 key areas. This will be seen through targeted observations.
B.	Create a system of impactful intervention that will also allow lower ability pupils to access the maths curriculum with a greater level of confidence Year 7 pupils – 19 pupils are below 90 in KS2 (extra intervention through reflection time)/ 44 pupils are below 98 (focus on monitoring these through Ninjas)	Reduce the number of concerns in Y7 maths by 3% (or increase the score at which a Concern is raised by 3%)
C.	Develop a system where enrichment activities are common place and actively attended during period 6. Create and develop a consistent off site activity that develops pupils love of thinking – e.g. code breaking. Pupils take an active role in problem solving activities' in reflection time and this creates a buzz within reflection time – led by the tutor	Pupils engaged in their learning both through p6 and through off-site activities and parental involvement

3. Planned expenditure					
Academic year		2017-18 Total Cost: £1800			
Desired outcome	Chosen action / approach	What is the evidence and rationale for this choice?	How will you ensure it is implemented well?	Staff lead	When will you review implementation and budget cost?
Narrowing the Numeracy Gap	Workshop on staff attitudes	National issue Huge issue with logical thinking and basic numeracy skills holding back learning. Workshop at PL session 1 will remind staff about being positive when talking about maths and numeracy.	Clear message during the workshop and ensure that this message is followed up with regular reminders and key messages overview of numeracy action plan.	NPE	Review Oct, Jan, April £200 on resources
	Y7 Numeracy Reflection time	Regular repeated contact with basic numeracy skills is required to commit the information to long-term memory. Reflection time to develop problem solving due to change in format of one session per week every 2 weeks.	Good clear resources and instructions provided to all tutors and feedback requested from all staff following each round of numeracy in reflection time. Ensure that all staff see this as a competition with the pupils and actively promote this – links to staff attitude by getting involved even if a struggle for some staff.	NPE	Ongoing and repeated review £200 on resources

	Numeracy in mastery curriculum in Y7	Develop the use of the 3 key areas of numeracy: <ol style="list-style-type: none"> 1. Decision Making 2. Reasoning 3. Problem Solving Ensure these key ideas of Numeracy action plan at TCS are implemented at all levels within the mastery curriculum	Meeting with middle leaders to review opportunities Regular subject specific mastery reviews including student voice and SOF of lessons. PL session in term 1 to ensure this is the focus of mastery teaching and the links to the big question.	NPE	£500 towards resource production and purchase
	Numeracy workshop re: problem solving in Y7 PL sessions	Numeracy is a key concept in marking grid and therefore monitor how this is used within departments to drive standards.	Monitoring of marking through departmental level monitoring and through numeracy monitoring.	NPE/HoD's	N/A Termly
Impactful intervention	Y7 Numeracy in reflection time	Small group intervention developed to use the bar modelling method to support pupils approach to solving problems	Clear planning and targeted support using key maths LSA's. Plan based around mastery approach for key concepts and bar modelling	NPE/CHE/LSA's	£100 resources Half termly
	Y7 Parental Session	Workshop for parents to develop strategies to support their child in their home learning through key questioning and an understanding off the numeracy gap.	Build on the success of the session completed during 2016-17 academic year and adapt according to the audience. Look for feedback from parents.	NPE	£200 resources After completion of the first session

	Y7 Mathematics lessons to start with Numeracy Ninjas to develop the basic skills and times tables knowledge.	Evidence nationally that this approach at the start of each lesson develop these basic skills and will replace the do now activity.	Monitor the implementation through learning walks and monitoring of the tracking sheet to evidence progress with specific focus on the impact of this on the low level learner.	NPE	
Enrichment	Y7 Period KS3 Problem Solving	Developing opportunities for pupils to see problem solving as fun and not just part of lessons	Key resources and rewards for those who attend and links back to lessons to see the benefit of attending	NPE	£400 resources
	Y7 Trip	Encourage pupils to see the numeracy in the real world. Solving problems and making decisions is part of everyday life	Key identification of location. Trip procedure followed effectively and clear organisation of trip.	NPE	£200 supporting students to pay for trip