Science Action Plan 2020-21	Coordinator : Sian Harvey

1. To Increase the proportion of PPG children who make at least good progress, so that they begin to achieve at least in line with other pupils nationally / move closer towards this point.
2. To Increase progress in KS2, so that all children make expected progress and more children reach greater depth, or make more than expected progress from their starting points
3. To ensure all curriculum areas have a clear intention through a strong curriculum design, focusing on the school's ethos of 'Going for Green – Attendance, attitude, achievement'
4. To continue to strengthen links with the wider Northallerton community

Target (what to achieve)	Success Criteria (How will you know if it is done)	Actions (How to achieve it)	Resources needed (£ cost)	Link to SDP
intention (what is the purpose of your curriculum design?) To ensure that pupils have the opportunity to carry out exciting and hands on investigations throughout the school. To link Science learning with other areas of the curriculum, especially English and Maths. To ensure that end of unit assessments are carried out to help inform progress of pupils and future planning. To develop children's knowledge and use of appropriate scientific vocabulary To create stronger links with companies who can deliver learning sessions with all pupils.	The overviews will show what is to be completed and when Book scrutinies to check learning and end of unit assessments Lesson dips Pupil Interviews at different stages during the year. Visitors from pharmaceutical companies to visit and deliver sessions to children. Science department at Northallerton college to come and deliver sessions to children	Book scrutinies to be completed at least twice to ensure the intentions for the science curriculum are met Title pages to be inserted in books to signal the start of new units of learning, clearly showing objectives for the units Check progression is clear across the school. Email and liaise with key partners	Subject coordinator time Money set aside for resources where applicable	KP1
implementation (how do you expect teachers to implement your curriculum) Planning stimulating lessons that will challenges pupil's ideas about Science and the world around them.	Planning scrutiny Book look to check progression is evident	Advise other teachers on best practice Snapshots to deliver CPD to staff Show new teachers where to find resources for learning	Coordinator release time	KP1 KP3

To use mastery document to check that children are challenged sufficiently to master the science curriculum. To make sure there is a clear progression in each unit and this can clearly be seen throughout the school.	Lesson dips	including assessment materials, key vocabulary and progression for Science learning throughout the school Ensure all teachers and HLTAs have access to mastery documents.		
impact (what is the impact the teaching and curriculum has on outcomes in your subject?) To increase the outcomes for PP and KS2 children to ensure they are making at least good progress	Verbal Feedback to targeted children Lesson dips and discussions with children		Coordinator release time	KP2
To carry out a successful STEM week, where pupils will have the opportunity to be immersed in Science and other areas of the curriculum	STEM subjects to be taught during the week Each Year group to have accepted and completed a science challenge. Some year groups may choose their Science challenge to present in assembly at the end of the week	Meeting with staff s to plan how the week will be a success. Arrange activities and stimulating learning for all children to engage in. Use leadership time to plan and then delegate the preparation of any resources that are need for the challenge – staff meeting to share out.	STEM week – Maximum £500 depending on activities planned and resources needed	KP1