











Throughout the 'Coding Success' project:

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|  | <ul style="list-style-type: none"> Students will have the opportunity to develop their 'Listening' skills. They will need to listen carefully to the lesson videos and their teacher's explanations/demonstrations of how to code and debug Students will need to listen carefully to instructions, remembering the important coding information and steps to take Students should listen to their learning partner and peers, aiming to use eye contact and body language effectively when they talk to others By asking open questions, students will be able to deepen their understanding of coding and enjoy success completing their map missions! |  | <ul style="list-style-type: none"> Students will have the opportunity to develop 'Staying Positive' skills when they keep trying when their coding needs debugging Students will aim to stay calm, being reflective and resilient when facing difficulties Students will be encouraged to help others stay positive when facing difficulties and to keep trying, using iteration to succeed Students might be able to look for opportunities for additional challenge and create plans to achieve these goals, maintaining a positive 'We can' attitude |
|  | <ul style="list-style-type: none"> Students will have the opportunity to communicate clearly with the peers in their class, their teacher and their learning partner each lesson They might focus on making points in a logical order, using appropriate language (including new coding terminology) They might also consider their tone and expression and use gestures to aid communication Students could try to use facts, examples and visual aids (such as the app, the robot vehicle and the map) to help communicate their ideas |  | <ul style="list-style-type: none"> Students will have the opportunity to develop 'Aiming High' skills when they select missions to achieve and create a plan to achieve them Students will have the opportunity to 'aim high' each lesson by developing skills at different levels, at different paces and by working on challenges that are appropriately stretching Students will be able to devise plans, involve others, use their resources and utilise their skills to achieve clear targets each lesson Students will have the opportunity to act on peer and teacher feedback to modify their coding solutions and achieve more challenging learning goals They will be able to celebrate their coding success with their peers and teacher Students will have the opportunity to reflect on their achievements throughout/at the end of every lesson and set goals for subsequent missions and lessons |

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|  | <ul style="list-style-type: none"> • Students will have the opportunity to develop their 'Problem Solving' skills every lesson when they are challenged to find solutions to a range of map missions and challenges • Students will use both their technical knowledge and understanding of coding built up each lesson, as well as other transferable skills • Students will need to complete tasks by following instructions and using their own problem solving skills • Students will be able to utilise the supportive lesson resources and explore different solutions to the coding challenges • Students might develop their evaluative skills when exploring more complex challenges, analysing cause and effect, and creating and testing hypotheses • Over time, students will have the chance to solve complex problems and refine their solutions, assessing their success |  | <ul style="list-style-type: none"> • Students will have the opportunity to develop their 'Leadership' skills when they work in pairs and in small groups • Students will take it in turns adopting the role of 'Driver' and 'Navigator' in their pairs, sharing the coding roles • They will be able to offer each other support, encouragement and guidance in developing their coding skills and completing the map missions • Students might take on a lead role in their pair or group, guiding and encouraging others, utilising their strengths and supporting their weaknesses • Students will have the opportunity to manage group discussions and come to a solution, whilst supporting and motivating others |
|  | <ul style="list-style-type: none"> • Students will have the opportunity to develop their 'Creativity' skills when building, designing, reengineering and coding • Students will use their creativity to imagine the earthquake context of each lesson, using the map in an imaginative way • Students will need to imagine different situations in each lesson and create possible solutions to the challenges of each lesson • Students might develop innovative solutions to the map challenges, employing a wide range of coding skills in a creative way • Students might support others in being creative and innovative too |  | <ul style="list-style-type: none"> • Students will have the opportunity to develop their 'Teamwork' skills in every lesson; they will need to work cooperatively in their pairs when completing a series of map missions, taking it in turns to play the role of 'Driver' and 'Navigator' to achieve their shared goals as they code the robot rescue vehicle • Students will have the opportunity to work with others in a positive way, behaving appropriately, being reliable, taking responsibility for their own tasks, and supporting others in completing their tasks • Students will need to contribute positively to decision making in their pair or group, recognising the value of other's ideas, building on them and encouraging others to contribute • Students will need to demonstrate respect for other's beliefs, backgrounds and cultures • Students should avoid creating unhelpful conflicts and support in resolving any conflicts, helping to build positive relationships |