

Title	Supporting Core Maths Work Group		
Phase	Post 16	Work Group Code	NCP 20 - 20
Project summary			
<p>These Work Groups give teachers opportunities, through collaboration and experimentation, to develop improved teaching approaches that support the open-ended problem-solving skills Core Maths students need and share these with departmental colleagues. Participant departments will support the role of Core Maths in promoting contextualised problem-solving and links to teaching in other subject areas.</p>			
Rationale			
<p>These Work Groups uniquely offer lead participants the opportunity for sustained Core Maths professional development through collaboration over time.</p> <p>This project will contribute to the wider national effort to support teachers and leaders to increase the growth in uptake and delivery of Core Maths in schools and colleges, and to embed a culture of Core Maths within school and college maths departments with confidence.</p>			
Intended outcomes			
Professional learning			
<ul style="list-style-type: none"> Participants, and where appropriate colleagues in their department, will understand the philosophy of Core Maths, with its approach to maths through contextualised problem-solving. Participants will develop their understanding by exploring a range of common Core Maths approaches and topics (e.g. Fermi problems, critical analysis of numbers in the media) and their use of pre-release materials. 			
Practice development			
<ul style="list-style-type: none"> Participants will share approaches to planning and delivery of the Core Maths curriculum. Participants will teach effectively some mathematical concepts and processes through contextualised problem-solving. Participants will identify and make effective use of existing Core Maths resources. Participants may develop and trial contextualised problem-solving resources with Key Stage 4 students. 			
Policies & approach			
<ul style="list-style-type: none"> Where appropriate, participants will disseminate information or lead professional development about Core Maths with their departments. Participants will, where appropriate, support their school/college in developing clear ways of communicating and promoting its Core Maths offer. Participants will support senior leadership in understanding the benefits of Core Maths. Participants will support the role of Core Maths in promoting problem solving within GCSE Maths. 			

Student outcomes
<ul style="list-style-type: none"> Students will have raised awareness of the use of maths and statistics in everyday life. Students will have increased their confidence in using maths. <p>Key Stage 4 students may experience Core Maths contextualised problem-solving questions to support links to their GCSE but also to highlight the support Core Maths can give to Year 12/13 students who are studying other subjects (maths in psychology, geography etc).</p>
Intended participants
<p>The target group for lead participants in these Work Groups is experienced, recent or - in exceptional cases - potential teachers of Core Maths. These may be teachers in post-16 settings whose main subject is maths or whose main subject is not maths.</p>
Features of the work group
<p>Work Groups will be designed to meet the specific needs of the range of experience of participants.</p>