

Ideas for using Cooperative Learning Activities in Maths

Simultaneous Round Table :

- * Solving Algebraic Equations
 - copy down equation to be solved, CHECK, ROTATE
 - collect all letters together, CHECK, ROTATE
 - collect all numbers together, CHECK, ROTATE
 - solve for unknown letter, CHECK, ROTATE
- * The Wave Function
 - establish $k\cos a$ & $k\sin a$, CHECK, ROTATE
 - calculate k value, CHECK, ROTATE
 - calculate a value, CHECK, ROTATE
 - answer question, CHECK, ROTATE
- * Finding the Equation of the Tangent
 - work out $f'(x)$, CHECK, ROTATE
 - work out the gradient value, CHECK, ROTATE
 - work out the (a, b) co-ordinate values, CHECK, ROTATE
 - use $y - b = m(x - a)$ to answer question, CHECK, ROTATE

Expert Jigsaw :

- * Reviewing test questions

Issue pupils with questions that they have had some success in.
Working together with others helps them to complete their solution gaps.
Teaching their completed solutions to others re-enforces understanding.
(Some questions may be best addressed to the whole class by the teacher)

Stand & Deliver :

- use at the end of lessons to review knowledge, formulae, processes, facts
- use at the start of a lesson to recap knowledge, formulae, processes, facts
- use in the middle of lessons to energise or check for understanding (saves you answering the same question multiple times because pupils haven't listened!)