

# Lesson Features

- a checklist for encouraging learning -

- |  |   |
|--|---|
| <input type="checkbox"/> application focus                     | <input type="checkbox"/> kinaesthetic                   |
| <input type="checkbox"/> assessment opportunities              | <input type="checkbox"/> links to learning theory       |
| <input type="checkbox"/> builds on personal student experience | <input type="checkbox"/> mathematical modelling         |
| <input type="checkbox"/> communicating mathematics             | <input type="checkbox"/> mixed ability                  |
| <input type="checkbox"/> concept focus                         | <input type="checkbox"/> multiple entry & exit points   |
| <input type="checkbox"/> concrete materials                    | <input type="checkbox"/> non-threatening                |
| <input type="checkbox"/> concurrent teaching of topics         | <input type="checkbox"/> open-ended                     |
| <input type="checkbox"/> differentiation for ability range     | <input type="checkbox"/> outdoor                        |
| <input type="checkbox"/> easy to state/easy to start           | <input type="checkbox"/> ownership                      |
| <input type="checkbox"/> estimation                            | <input type="checkbox"/> recording & publishing         |
| <input type="checkbox"/> first hand data                       | <input type="checkbox"/> skill development in context   |
| <input type="checkbox"/> game context                          | <input type="checkbox"/> social issues                  |
| <input type="checkbox"/> group work                            | <input type="checkbox"/> story shell                    |
| <input type="checkbox"/> history of mathematics                | <input type="checkbox"/> technology (calculators)       |
| <input type="checkbox"/> home/school links                     | <input type="checkbox"/> technology (software)          |
| <input type="checkbox"/> inclusive                             | <input type="checkbox"/> physical involvement           |
| <input type="checkbox"/> informal or incidental learning       | <input type="checkbox"/> visual (visualisation)         |
| <input type="checkbox"/> interdisciplinary connections         | <input type="checkbox"/> whole class                    |
| <input type="checkbox"/> investigative process                 | <input type="checkbox"/> working mathematically process |
| <input type="checkbox"/> .....                                 | <input type="checkbox"/> .....                          |
| <input type="checkbox"/> .....                                 | <input type="checkbox"/> .....                          |

- This list has been constructed through discussion with teachers in many workshop situations.
- It is our attempt to build a common language to debate the features of a classroom more likely to engage students in mathematics learning.
- Is there a place for some of these features in every lesson you plan?
- Please 'play' with the list in professional learning and team planning situations and let us know what support it gives you.
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