**PATTERNS AND ALGEBRA – EARLY STAGE ONE**

**OUTCOMES**

A student:

* MAe-1WM - describes mathematical situations using everyday language, actions, materials and informal recordings
* MAe-2WM - uses objects, actions, technology and/or trial and error to explore mathematical problems
* MAe-3WM - uses concrete materials and/or pictorial representations to support conclusions
* MAe-8NA - recognises, describes and continues repeating patterns

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| **CONTENT** | **plan** |
| **Sort and classify familiar objects and explain the basis for these classifications (ACMNA005)** |  |
| sort and classify a group of familiar objects into smaller groups http://syllabus.bos.nsw.edu.au/wsimages/cca/l.png | 1 & 5 |
| recognise that a group of objects can be sorted and classified in different ways CT | 2 & 5 |
| explain the basis for their classification of objects (Communicating, Reasoning) | 1, 2 & 3 |
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| **Copy, continue and create patterns with objects and drawings** |  |
| recognise, copy and continue repeating patterns using sounds and/or actions | 4 |
| recognise, copy, continue and create repeating patterns using shapes, objects or pictures, eg  | 6 |
| create or continue a repeating pattern using simple computer graphics (Problem Solving) CT | 7 |
| recognise when an error occurs in a pattern and explain what is wrong (Communicating, Reasoning) CT | 8 & 9 |
| describe a repeating pattern made from shapes by referring to its distinguishing features, eg 'I have made my pattern from [squares](http://syllabus.bos.nsw.edu.au/glossary/mat/square/?ajax" \t "_blank" \o "Click for more information about 'squares'). The colours repeat. They go red, blue, red, blue, …' http://syllabus.bos.nsw.edu.au/wsimages/cca/l.png | 10 |