




Extending and Predicting Elements in Patterns Behaviours/Strategies		
1. Student looks at the letter core, but has difficulty choosing beads to represent the core.	2. Student represents the core with beads, but struggles to use copies of the core to extend the pattern.  Core: ABCB 	3. Student represents the core with beads, but struggles to predict an element in the pattern.  Core: ABCB   "I'm not sure what the 15th bead will be."
Observations/Documentation		
4. Student correctly predicts an element in the core, but struggles to justify prediction.  Core: ABCB   "The 15th bead will be purple. I'm not sure why."	5. Student predicts an element in the core and justifies prediction, but does not realize that, because the pattern is circular, the pattern core can be viewed differently, depending on the starting point.	6. Student successfully represents the core with beads, predicts element, justifies thinking, and is comfortable with circular patterns.
Observations/Documentation		