**3-PS2-2. Make observations and/or measurements of an object’s motion to provide evidence that a pattern can be used to predict future motion.**[Clarification Statement: Examples of motion with a predictable pattern could include a child swinging in a swing, a ball rolling back and forth in a bowl, and two children on a see-saw.] [*Assessment Boundary: Assessment does not include technical terms such as period and frequency.*]

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| **Knowledge** | **Reasoning or Performance Skill** | **Product** |
| Explain that “patterns” describe a repeating characteristic, and give examples of patterns in the manmade or natural world.  Identify an observed and/or measured pattern, and explain the pattern.  Recognize that “observations” and/or “measurements” are data that can support a claim. | Gather and analyze data to provide evidence for patterns of motion.  Use mathematical reasoning to compare the motion of objects in order to identify a pattern.  Explain how a pattern of motion can be used to predict other motion of an object under similar constraints. | No products. |