## Instructional Flow — Unit 4 — Patterns, Relations, and Functions

**I.  Prior Knowledge Activation**
- activating background knowledge
- pre-assessing student understanding

**II.  Patterns and Sequences**
- describing and extending patterns and sequences
- identifying arithmetic, geometric, and Fibonacci sequences
- applying numerical patterns to real-life situations

**III.  Relations**
- understanding and identifying relations
- identifying the domain and range for a relation and describing the connection between them
- representing relations with ordered pairs, tables, mappings, and graphs

**IV.  Functions**
- understanding and identifying functions
- identifying the domain and range for a function and describing the connection between them
- representing functions with tables, mappings, graphs, and equations

**V.  Applications**
- creating function tables with and without technology
- interchanging function representations
- extending and analyzing functions