**PR1: Demonstrate an understanding of the relationships within tables of values to solve problems.**

**PR2: Represent and describe patterns and relationships using graphs and tables.**

**LESSON 1 – INPUT / OUTPUT Machines**

Videos

Whole group video

<http://studyjams.scholastic.com/studyjams/jams/math/algebra/function-tables.htm>

Complete \_\_\_\_

Individual Videos

<https://www.youtube.com/watch?v=y_aaOS6Q2qo>

<https://www.khanacademy.org/math/cc-third-grade-math/arithmetic-patterns-and-problem-solving/imp-patterns-in-arithmetic/v/practice-finding-patterns-in-numbers>

<https://www.youtube.com/watch?v=FY7I_VYvLSk>

Complete \_\_\_\_

Math Makes Sense

Read the Connect on page 6 and 7.

Complete questions # 1,2,5,6,9

Complete \_\_\_\_

On-line Interactive games

<https://www.mathplayground.com/functionmachine.html>

<https://ca.ixl.com/math/grade-4/input-output-tables-with-addition-subtraction-multiplication-and-division>

**Worksheet “Lesson 1: Input/Output Machines” – check in with teacher**

Complete \_\_\_\_\_

**LESSON 2 – Patterns fromTables**

\*\*\*\*\* Complete the Explore on page 11 in groups of 3 or 4 with toothpicks\*\*\*\*\*

\*Read Connect on P.12-13\*

Complete \_\_\_\_\_\_

Videos

<https://www.youtube.com/watch?v=OlUBFXfLE0c>

<https://www.youtube.com/watch?v=CJ-bKQgqF4M>

Complete \_\_\_\_\_\_\_\_

Math Makes Sense

P14. # 1,2,3,4,6

Complete \_\_\_\_\_\_\_\_

**Worksheet “Lesson 2: Input/Output Machines” – check in with teacher**

Complete \_\_\_\_\_\_