

**KIBO Lesson Plan:** Look at Me

**Unit:** Letters and shapes

**Grade Level:** PreK

**Supplies needed:** KIBO robots and Marker extension kits

**Utah Preschool Core Standards:**

MATHMATICS:

- MEASUREMENT AND DATA (MD):
- Describe and compare measurable attributes
  - Describe objects using vocabulary specific to measurable attributes
  - Compare objects using measurable
  - Identify basic shapes by name and in the environment.
  - Identify and name basic shapes regardless of their orientations

SCIENCE:

- Students will learn the processes, communication, and nature of science;
  - Child develops abilities and skills that promote learning.
  - Persists in completing tasks.
  - Works collaboratively with others.
  - Approaches tasks with organization.

**Objective:** Using the MAT MAN format from High Scope (a basic stick man) the children will draw a person using the KIBOs with maker extension kit

**Roles:**

Shape finder: Will Find the proper programing card for each shape within Mat Man

Program finder: Will locate the programing card that shows which blocks are needed to draw a given shape

Block collector: Will collect the necessary programing blocks and lay them out in order

Scanner: Will scan the program blocks in to the KIBO

Drawing Driver: Will place the KIBO on the paper and activate the robot to draw the given shape.

After each shape is drawn the children trade which job, they have so that each child gets a turn with each job.

**Extension activity:** Draw multiple MAT MEN in the time that we have and be able to experiment with changing the size of the shapes with each MAT MAN that we make.

Also, adding extra items to MAT MAN such as hair or things he can hold.

\*NOTE: We will have already had lessons where we draw shapes as a stand-alone item and learned how to program the KIBOS during this process.

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