



Lesson Plan

Teacher: Jennie Romero

Grade: Pre-K

Lesson: Plastic Bag Weaving

Arizona Early Learning Standards:

- Science & Technology- S.IA.C3a Uses a variety of tools and materials to investigate.
- Approaches to Learning- AL.IC.C1c Exhibits flexibility, imagination, and inventiveness when attempting tasks and activities. AL.AP.C2c Establishes goals, generates plans, and follows through to completion.
- Fine Arts-FA.VA.C1c Engages in two- and three-dimensional artistic investigations.
- Math- M.OA.C2 Recognizes, fixes, duplicates, extends, describes, and creates patterns.

Lesson Goal: Students will help to reduce waste by reusing plastic bags and cardboard in a creative way.

Materials Needed:

- Story- *Rainbow Weaver* by Linda Elovitz Marshall
- Cardboard Loom
- Plastic Grocery Bags
- Design Planning Sheet
- Permanent Markers
- Masking Tape
- Scissors
- Recycled Plastic Needle (create from plastic lid-small triangle shape & hole punch)

Steps:

- Pre-make the looms from a piece of cardboard (5"X8" Rectangle). Place slits on top and bottom every $\frac{1}{2}$ ". Thread yarn or twine from top to bottom securing the ends on the back with masking tape to create the warp.
- Read the story, *Rainbow Weaver*, by Linda Elovitz Marshall. Discuss with students the various ideas the main character brainstorms for creating her own material to weave with.
- Students will use the Design Planning Sheet to plan out their own weave design.
- Students will use permanent markers to decorate the plastic bags according to their planned design.
- Help students cut the bags into strips and loop the strips together to create plastic yarn for weaving (plarn).
- Help students tie the plastic yarn to the recycled plastic needle.
- Students will weave following the pattern-over, under, over, under. They will weave to the end, turn and continue. Students may add more plastic strips as needed to change the color or design.
- Tie off the weaving and secure it in the back to finish it off.

References- <https://thinkplaycreate.org/blog/steam-challenge-plarn-weaving/>