

Squirt Gun Painting

Materials:

- Squirt Gun
- Paint
- Water
- Cardstock
- Easels
- Tape

Procedures:

1. Secure the paper to the easel using the tape.
2. Fill the squirt gun with the watered-down paint.
3. Carefully aim at the paper on the easel to create your work of art.



Squirt Gun Science

You may not think of engineering and squirt guns in the same sentence. However, like many examples of engineering design, the squirt gun pump mechanism is uncomplicated, yet elegant, and very inexpensive to manufacture. The type of pump used in squirt guns is known as a positive displacement pump. Positive displacement pumps are so called because fluid is trapped within the pump and then moved through—or displaced—in one (positive) direction. The design is widely used because of its simplicity and low cost. With only a few moving parts, it can deliver a stream of water, a spray of cleanser, a squirt of liquid soap, or in our case a stream of colorful paint.