

# 1 point perspective boxes

**Objective:**

I can create boxes in 1 point perspective

**Supplies**

- Paper - In your sketch book.
- Pencils
- Eraser
- Ruler

## Linear perspective / space

Linear perspective is a method of creating the illusion of 3D space on a 2D surface.

### 1 point perspective.

Three lines are allowed in 1 point perspective:

**Horizontal**

**Vertical**

**Orthogonal** – lines that go to the vanishing point.

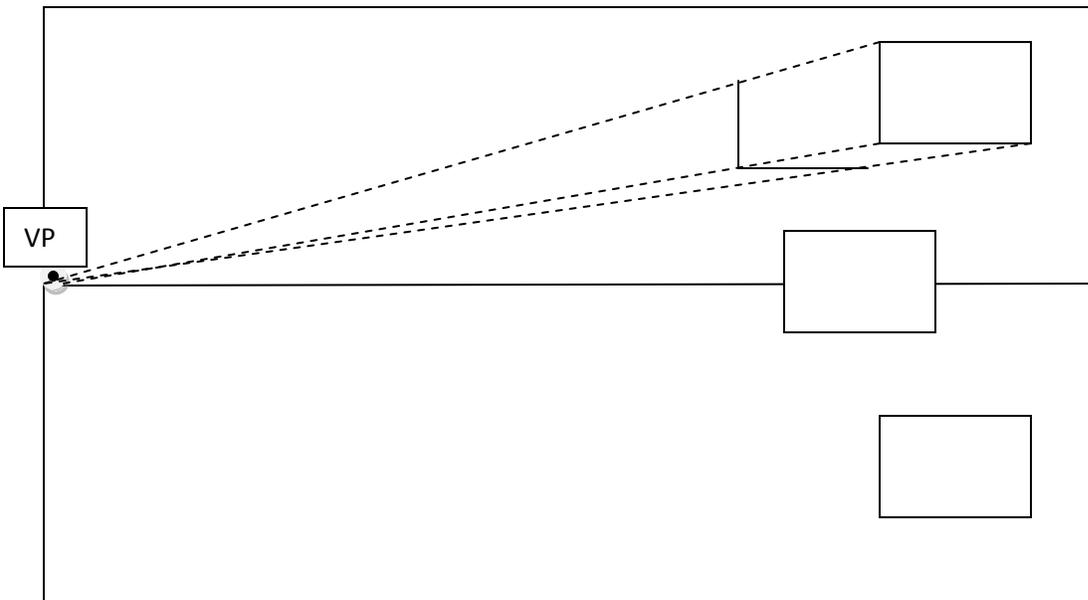
**Vanishing point:** The point where lines and vision meet.

**Horizon line:** a line that separates the sky from the ground.

Faces of squares and rectangles have 90 degree angles.

*perspective information*

1. Draw a horizon line and add a vanishing point. ( 1 point perspective uses one vanishing point.)
2. Draw three squares or rectangles using vertical and horizontal lines. All of the angles should be 90 degrees. Draw one square above the horizon line, one square on the horizon line and one square below the horizon line.
3. Start with the top square and draw orthogonal lines from the corners to the VP. If the line will go over the square, don't draw it.
4. Decide how long you want your box and cut it off with a vertical line. Draw a horizontal line to create the bottom of the box.



**Tips:**

**1. Make sure that you are making vertical and horizontal lines correctly. Line your ruler up with the sides of the paper to make sure you are not drawing diagonals.**

**2. Use a mechanical pencil to keep a sharp point.**

5. Complete the other two boxes using the same method.
6. Firm up the box lines and erase the orthogonal guide lines.
7. Note how many sides of the box can be seen above and below the horizon line. Note how many sides can be seen on the box that is resting on the horizon line.
8. Continue on this sketch book page with the ten boxes assignment.

