

# Artist

Lesson time: 30 Minutes

## LESSON OVERVIEW

This course is a review of artist concepts from Course 2. Students will draw images with the artist using a combination of sequences and loops.

### TEACHING SUMMARY

#### Getting Started

[Introduction](#)

#### Activity: Artist

[Artist](#)

#### Extended Learning

[Extension Activities](#)

## LESSON OBJECTIVES

### Students will:

- Count the number of times an action should be repeated and represent it as a loop
- Divide the number of degrees in a circle into even segments
- Calculate the angles in equilateral and 30 60 90 triangles
- Given a perimeter and one side of a rectangle, calculate the remaining sides
- Identify symmetrical shapes
- Decompose a shape into its smallest repeatable sequence

## GETTING STARTED

### Introduction

Review with students the basic maze navigation, particularly:

- Moving vs Jumping
- Turning by degrees
- Looping

## ACTIVITY

### [Artist](#)

In the Artist levels students are not constrained to 90 degree angles. Having protractors available can help students better visualize the angles they need.

## EXTENDED LEARNING

Use these activities to enhance student learning. They can be used as outside of class activities or other enrichment.

### The Copy Machine

- Give students two pieces of paper
- On one sheet have the students draw a simple image
- On the second sheet draw instructions for recreating that image commands to move straight and turn at various angles.
- Trade instruction sheets and attempt to recreate the image using only the provided instructions.



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