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Course 4 | Lesson 14

Artist: Functions with Parameters

Lesson time: 30 Minutes

LESSON OVERVIEW

Students will use the Artist environment to draw complicated images using functions with parameters to create similar shapes with small differences.

> **TEACHING SUMMARY**
>
> **Getting Started**
>
> Introduction
>
> **Activity: Artist: Functions with Parameters**
>
> Artist: Functions with Parameters

LESSON OBJECTIVES

Students will:

- Identify repeated movements and utilize functions to simplify a program
- Break complex tasks into smaller repeatable sections
- Combine simple shapes into complex designs with functions
- Utilize parameters to make one function work for multiple purposes

GETTING STARTED

Introduction

Students will have experienced functions through Artist in a previous stage. This stage adds the option of parameters, which will allow one function to work for multiple creations. There may be some confusion over creating parameters inside a function, so it is a good idea to have the class watch the associated video, or to watch a function with parameter being created in advance of the lesson.

ACTIVITY

Artist: Functions with Parameters