

Farmer: While Loops

Lesson time: 30 Minutes

LESSON OVERVIEW

Using while loops, students control a farmer shovel dirt into holes until they're full and remove dirt from piles until it's all gone.

TEACHING SUMMARY

Getting Started

[Introduction](#)

Activity: Farmer: While Loops

[Farmer: While Loops](#)

Extended Learning

[Extension Activities](#)

LESSON OBJECTIVES

Students will:

- Distinguish between loops that repeat a fixed number of times and loops that repeat until a condition is met
- Use a while loop to create programs that can solve problems with unknown values

GETTING STARTED

Introduction

ACTIVITY

[Farmer: While Loops](#)

EXTENDED LEARNING

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

So Moving

- Give the students pictures of actions or dance moves that they can do.
 - Have students arrange moves and add loops to choreograph their own dance.
- Share the dances with the rest of the class.

Connect It Back

- Find some YouTube videos of popular dances that repeat themselves.
- Can your class find the loops?
- Try the same thing with songs!



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