# Developing Algorithms Using Arrays

In this lesson, students will learn how arrays are used to develop algorithms. They will examine common techniques used in array analysis. This lesson corresponds with AP Computer Science A topic 6.4.

## Objective

Students will be able to:

* Recognize and identify common algorithms that utilize array traversals

## Enduring Understandings

This lesson builds toward the following Enduring Understandings (EUs) and Learning Objectives (LOs). Students should understand that…

* EU Con-2 Programmers incorporate iteration and selection into code as a way of providing instructions for the computer to process each of the many possible input values. (LO’s 2.I)
* EU Var-2 To manage large amounts of data or complex relationships in data, programmers write code that groups the data together into a single data structure without creating individual variables for each value. (LO’s 2.A, 2.B, 2.C)