

**\*\*\*Teachers are required to build coherence by connecting learning within and across grade levels. The goal is to connect new understanding onto a foundation built upon prior knowledge mastery in your learning activities and assessments. Include at least one prior skill question on each assessment.\*\*\***

The following is the AP Computer Science Principles pacing guide. This guide is for the Advanced Placement Computer Science Principles class. District Assessments are created following this guide.

## **Marking Period 1:**

Unit 1 (Impacts of technology, converting bases, mini pixilation project, encoding project)

NJ Student Learning Standards: 8.1. A, F; 8.2. B, F, G; 9.1. A; 9.2. E, F

## **Marking Period 2:**

Unit 2 (IETF, RFC, “Battle Ship” activity, DNS, Wi-Fi and LAN, mini project-Practice PT, cyber security)

NJ Student Learning Standards: 8.1. A, F; 8.2. B, F, G; 9.1. A; 9.2. E, F

## **Marking Period 3:**

Unit 3 (LEGO blocks, App Lab, Digital Assistant Project, mini project – Top-Down Design, app design)

NJ Student Learning Standards: 8.1. A, F; 8.2. B, F, G; 9.1. A; 9.2. E, F

## **Marking Period 4:**

Unit 4 (Google Trends, Data Visualization 101, graphs/plots, sort/filter, pivot table, “Tell a Data Story,” Purpose an Innovation lab)

NJ Student Learning Standards: 8.1. A, F; 8.2. B, F, G; 9.1. A; 9.2. E, F