# Course at a Glance

### Plan

The Course at a Glance provides a useful visual organization of the AP Computer Science Principles curricular components, including the following:

- Big ideas, along with approximate weighting
- Progression of topics within each big idea
- Spiraling of practices across big ideas

This Course at a Glance is organized by big ideas rather than units of instruction. Within each big idea are topics. Teachers and AP endorsed providers can group topics together to create units or modules.

## Teach

COMPUTATIONAL THINKING PRACTICES

Practices spiral across big ideas.



#### Assess

Assign the Topic Questions either as homework or in class—for each big idea. The Topic Questions are formative AP questions that provide feedback to students on the areas where they need to focus.





4

**Correcting Errors** 

 gn
 2
 2.4

 yd
 5
 5

BIG IDEA

 

 IDEA
 Data

 17-22% AP Exam Weighting

 1
 2.1 Binary Numbers

 1
 2.2 Data Compression

 5
 2.3 Extracting Information from Data

 2
 2.4 Using Programs with Data

#### Topic Questions

Multiple-choice: ~20 questions

Topic Questions Multiple-choice: ~20 questions





#### 11-15<sup>%</sup> AP Exam Weighting



	21–26 <sup>®</sup> AP Exam Weighting
5	5.1 Beneficial and Harmful Effects
5	5.2 Digital Divide
5	5.3 Computing Bias
1	5.4 Crowdsourcing
5	5.5 Legal and Ethical Concerns
5	5.6 Safe Computing

**Impact of** 

Computing

BIG IDEA

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#### **Topic Questions**

Multiple-choice: ~90 questions Performance Task: ~20 prompts Topic Questions Multiple-choice: ~10 questions Topic Questions Multiple-choice: ~20 questions

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