

| Standards          | <a href="#">CS Standards</a> | <div>COURSE: Programming with Java - Part 1</div> <div>Curriculum Standards Alignment Table</div> <div>alphastar academy</div> |                          |                        |                    |                               |                             |               |                 |                  |                        |            |
|--------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|--------------------|-------------------------------|-----------------------------|---------------|-----------------|------------------|------------------------|------------|
| Concept            | Algorithms & Programming     |                                                                                                                                                                                                                   |                          |                        |                    |                               |                             |               |                 |                  |                        |            |
| Level              | 2                            |                                                                                                                                                                                                                   |                          |                        |                    |                               |                             |               |                 |                  |                        |            |
|                    |                              | Use Flowchart / Pseudocode for Algorithm Design                                                                                                                                                                   | Create and Use Variables | Use Control Structures | Decompose programs | Organize code with procedures | Seek Team and User Feedback | Use libraries | Test and Refine | Create Timelines | Document, Test & Debug | Definition |
| Curriculum Section |                              | 2-AP-10                                                                                                                                                                                                           | 2-AP-11                  | 2-AP-12                | 2-AP-13            | 2-AP-14                       | 2-AP-15                     | 2-AP-16       | 2-AP-17         | 2-AP-18          | 2-AP-19                | Standard   |
| Introduction       |                              |                                                                                                                                                                                                                   |                          |                        |                    |                               |                             |               | ✓               |                  | ✓                      |            |
| Variables          |                              |                                                                                                                                                                                                                   | ✓                        |                        | ✓                  |                               |                             |               | ✓               |                  | ✓                      |            |
| Conditions         |                              | ✓                                                                                                                                                                                                                 | ✓                        | ✓                      | ✓                  |                               |                             |               | ✓               |                  | ✓                      |            |
| Loops              |                              | ✓                                                                                                                                                                                                                 | ✓                        | ✓                      | ✓                  |                               |                             |               | ✓               |                  | ✓                      |            |
| Arrays             |                              | ✓                                                                                                                                                                                                                 | ✓                        | ✓                      |                    |                               |                             |               | ✓               |                  | ✓                      |            |
| Nested Conditions  |                              | ✓                                                                                                                                                                                                                 | ✓                        | ✓                      | ✓                  |                               |                             |               | ✓               |                  |                        |            |
| Nested Loops       |                              | ✓                                                                                                                                                                                                                 | ✓                        | ✓                      | ✓                  |                               |                             |               | ✓               |                  | ✓                      |            |
| Course Overall     |                              | ✓                                                                                                                                                                                                                 | ✓                        | ✓                      | ✓                  |                               |                             |               | ✓               |                  | ✓                      |            |