

AP CSP Create PT — Simplified Rubric ;(

*Students often struggle with the bolded items.

Content Area & Weighting	NO SCORE	LOW	MEDIUM	HIGH
1. Develop a Program with a Purpose Demo & 2a		☐ RUNNING PROGRAM DEMO: 1+ features OR ☐ DEMO SUMMARY READ ALOUD (2a)	☐ RUNNING PROGRAM DEMO: 1+ features AND ☐ DEMO SUMMARY READ ALOUD (2a)	☐ RUNNING PROGRAM DEMO: 1+ features that SHOW the PROGRAM'S PURPOSE AND ☐ PROGRAM PURPOSE READ ALOUD (2a)
2 Develop a Program with a Purpose 2b		☐ STEPS IN THE DEVELOPMENT PROCESS IDENTIFIED at 1+ points in development AND ☐ 1 POINT of INDEPENDENT PROGRAM DEVELOPMENT IDENTIFIED	☐ 2 DIFFICULTIES and/or OPPORTUNITIES DESCRIBED at 2 different points in development AND ☐ 1 POINT of INDEPENDENT PROGRAM DEVELOPMENT IDENTIFIED	☐ 2 DIFFICULTIES and/or OPPORTUNITIES DESCRIBED at 2 different points in development AND ☐ SOLUTIONS / INCORPORATIONS to 2 difficulties / opportunities DESCRIBED; part of ITERATIVE development AND ☐ 1 POINT of INDEPENDENT PROGRAM DEVELOPMENT IDENTIFIED

See Other Side ↔

3. Applying Algorithms 2c		1 COMMON ALGORITHM that integrates MATH & LOGIC concepts AND GENERAL DESCRIPTION or correct LINE-BY-LINE SUMMARY of 1 ALGORITHM	1 ALGORITHM INTEGRATES 2+ common/new ALGORITHMS - Integrates MATH & LOGIC concepts TO CREATE NEW ALGORITHM AND - ALGORITHM'S PURPOSE in the program IDENTIFIED - HOW it ACHIEVES PURPOSE DESCRIBED	1 ALGORITHM INTEGRATES 2+ common/new ALGORITHMS - Integrates MATH & LOGIC concepts TO CREATE NEW ALGORITHM AND - ALGORITHM'S PURPOSE in the program IDENTIFIED - HOW it ACHIEVES PURPOSE DESCRIBED AND HOW 2+ INTEGRATED ALGORITHMS FUNCTION DESCRIBED INDEPENDENTLY IN COMBINATION to create new algorithm
4. Applying Abstraction 2d		1 ABSTRACTION integrates MATH & LOGIC concepts - MANAGES PROGRAM COMPLEXITY AND - ABSTRACTION'S DEVELOPMENT INDICATED ABSTRACTION ACCURATELY DESCRIBED including its SPECIFIC PURPOSE	1 ABSTRACTION integrates MATH & LOGIC concepts - MANAGES PROGRAM COMPLEXITY AND - ABSTRACTION'S DEVELOPMENT INDICATED - ABSTRACTION ACCURATELY DESCRIBED including its SPECIFIC PURPOSE	1 ABSTRACTION integrates MATH & LOGIC concepts - MANAGES PROGRAM COMPLEXITY AND - ABSTRACTION'S DEVELOPMENT INDICATED - ABSTRACTION ACCURATELY DESCRIBED including its SPECIFIC PURPOSE AND HOW ABSTRACTION MANAGES PROGRAM COMPLEXITY EXPLAINED due to INCLUSION of abstraction OR how program would function WITHOUT abstraction