

Phoenix Christian Jr High School CAD0500 Computer Assisted Design I Course Scope & Sequence (2010)

COURSE DESCRIPTION: CAD is a one semester elective class consisting of computer assisted 2-D design with construction of a bridge.

REQUIRED TEXTS AND *KEY SUPPLEMENTAL MATERIALS:

Bentley PowerDraft Computer Software; Building Materials are supplied.

COURSE SCOPE AND SEQUENCE

One Semester

Unit 1 1 Semester

Key Concepts: Basic concepts of CAD, 2-D imaging, Vocabulary consistent with CAD programs, General instruction on Computer CAD program

Assessments: Drawings, Quizzes, Computer 2-D drawing, Bridge Design, Construction and Stress Testing.

Biblical Integration: The perfection of God's creation and how things work together. Geometric design is seen through out creation and shows us how to design and build strong structures.