**Course Description:**

The major focus of this program is twofold; to prepare students to compete for acceptance to a college architecture program and provide a solid foundation for students that wish to enter the field after graduation from high school. The course will introduce the basic principles and methods of design as applied to architecture. Basic design theories and strategies related to the development of spatial concepts in architectural design, including composition, form, and relationship of elements will be applied in the development of 2-D and 3-D design projects. This course further emphasizes the architectural design process and how you go from a creative inspiration to a complete, real, and valuable outcome while relating these principles to general construction practices.

The course will include a study of form, function and efficiency of modern and historical architectural work, and hands-on design of residential structures. Additionally, the course introduces students to the concepts, practices, standards, and graphic representations used in the architectural design field. A major focus will be to develop a clear understanding of the evolutionary processes of architectural styles and how they relate to present day architectural design. Students will study the concepts of form follows function; including the factors that affect exterior and interior design, and the relationship between function and space. Upon completion the student will be able to go from conceptual design, to design development, to the production of usable construction documents. Students will further enhance their repertoire of skills by designing different residential buildings using industry standard software.

**Course sequence:**

* Career Exploration - Becoming an Architect
* Using the design process with an introduction to sketching
* Drafting Practices (Manual and CAD)
* Design terminology - Refining your design with the progression of iterations
* Designing an emergency shelter
* Major Architectural project

**Course Texts:**

Architecture Residential Drafting and Design (2008)

Clois E. Kicklighter, Goodheart-Wilcox Company

The Architecture Handbook: A Student Guide to Understanding Buildings (2007)

Chicago ARCHITECTURE foundation, Jennifer Masengarb and Krisann Rehbein

Architectural Drawing Course: Tools and Techniques for 2D and 3D Representation (2008)

Mo Zell

Becoming an Architect (2006)

Lee W. Waldrep

Other textbook may be used. Textbooks may be issued to students.

**Course Materials:**

Materials required:

* + Thumb drive Min. 8gb
  + Sketchbook – approximately 8x10 (Spiral bound preferred)
  + 4x6 Index cards (100 Pack)
  + 3-Ring Notebook with divided sections
  + Pens & Pencils – both should be fine point
  + \*\*\*You may want to bring an old shirt or smock to keep in the classroom

**Grading Policy:**

The Architectural Design Academy is scored on a total point system.

**Please return this page**

**In addition to this form please visit walkerarch.weebly.com and complete the “Contact Form”**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have read and understand the syllabus for the Architectural Design Academy.

Student Signature: Date:

Parent Signature: Date:

Contact information for both Student and Parent:

**Student:**

Home School:

Home Address: City:

Zip code:

Email Address: (print clearly)

Home Phone: Cell (if available)

**Parent:**

Name:

Email Address: (print clearly)

(Would you like to be on the parent email list Yes/No?)

Home Phone: Cell (if available)

Work Phone:

#### Contact information

##### Mr. Terry Walker

##### ARL phone: 410-313-6998

ARL fax: 410-313-7000

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