



# Scoutmaster Bucky ARCHITECTURE Merit Badge Workbook

This Workbook has been developed to help aid in organizing notes and references while working on the Architecture Merit Badge Requirements.

Visit [www.ScoutmasterBucky.com](http://www.ScoutmasterBucky.com) for more information

SCOUT'S INFORMATION	MERIT BADGE COUNSELOR INFORMATION
Name _____  Phone _____  Organization _____	Name _____  Address _____  City State Zip _____  Phone _____  Mobile _____  Email _____
<b>WORKBOOK INFORMATION</b>	
Scoutmaster Bucky Workbook based off of <i>Boy Scout Requirements – 2011 Edition</i>  Visit <a href="http://www.ScoutmasterBucky.com">www.ScoutmasterBucky.com</a> for more information.	
<b>REQUIREMENT 1: DO THE FOLLOWING:</b>	
<b>REQUIREMENT 1A: TOUR YOUR COMMUNITY AND LIST THE DIFFERENT TYPES OF BUILDINGS YOU SEE. TRY TO IDENTIFY BUILDINGS THAT CAN BE ASSOCIATED WITH A SPECIFIC PERIOD OF HISTORY OR STYLE OF ARCHITECTURE.</b>	
Building #1 _____ Notes on period, history, style, architecture of this building:          	
Building #2 _____ Notes on period, history, style, architecture of this building:          	



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Building #3 \_\_\_\_\_

Notes on period, history, style, architecture of this building:

Building #4 \_\_\_\_\_

Notes on period, history, style, architecture of this building:

Building #5 \_\_\_\_\_

Notes on period, history, style, architecture of this building:



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**REQUIREMENT 1A:**

MAKE A SKETCH OF THE BUILDING YOU MOST ADMIRE.

A large, empty rectangular box with a black border, intended for the student to draw a sketch of a building they admire.



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## ARCHITECTURE

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**REQUIREMENT 1B:**

SELECT AN ARCHITECTURAL ACHIEVEMENT THAT HAS HAD A MAJOR IMPACT ON SOCIETY. USING RESOURCES SUCH AS THE INTERNET (WITH YOUR PARENT'S PERMISSION), BOOKS, AND MAGAZINES, FIND OUT HOW THIS ACHIEVEMENT HAS INFLUENCED THE WORLD TODAY. TELL YOUR COUNSELOR WHAT YOU LEARNED.

Architectural Achievement: \_\_\_\_\_

Notes:

Resource #1:

Resource #2:

Resource #3:



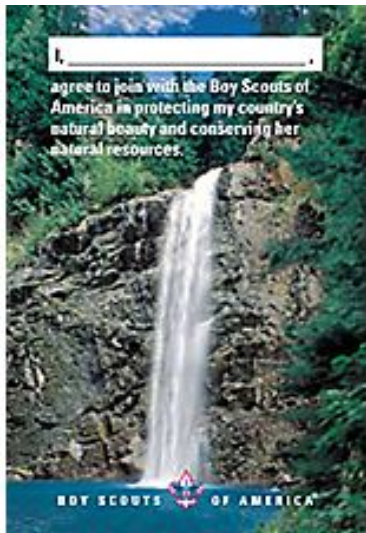
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#### REQUIREMENT 2:

IN THE OUTDOOR CODE, A SCOUT PLEDGES TO "BE CONSERVATION MINDED". DISCUSS THE FOLLOWING WITH YOUR COUNSELOR:



As an American, I will do my best to -

#### **BE CLEAN IN MY OUTDOOR MANNERS.**

I will treat the outdoors as a heritage.  
I will take care of it for myself and others.  
I will keep my trash and garbage out of lakes, streams, fields, woods, and roadways.

#### **BE CAREFUL WITH FIRE**

I will prevent wildfire.  
I will build my fires only where they are appropriate.  
When I have finished using a fire,  
I will make sure it is cold out.  
I will leave a clean fire ring, or  
remove all evidence of my fire.

#### **BE CONSIDERATE IN THE OUTDOORS.**

I will treat public and private property with respect.  
I will use low-impact methods of hiking and camping.

#### **BE CONSERVATION-MINDED.**

I will learn how to practice good conservation of soil, water, forests, minerals, grasslands, wildlife, and energy.  
I will urge others to do the same.

#### REQUIREMENT 2A: (DISCUSS WITH YOUR COUNSELOR) THE TERM *SUSTAINABLE ARCHITECTURE*.

Notes:



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**REQUIREMENT 2A:** IDENTIFY THREE FEATURES TYPICAL OF GREEN BUILDINGS.

Feature #1:

Feature #2:

Feature #3:

**REQUIREMENT 2B:** (DISCUSS WITH YOUR COUNSELOR) THE DIFFERENCE BETWEEN RENEWABLE BUILDING MATERIALS AND RECYCLED BUILDING MATERIALS, AND HOW EACH CAN BE USED IN CONSTRUCTION

Notes:



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**REQUIREMENT 2C:** (DISCUSS WITH YOUR COUNSELOR) THE RELATIONSHIP OF ARCHITECTURE WITH ITS SURROUNDING ENVIRONMENT AND THE COMMUNITY

Notes:

**REQUIREMENT 2D:** (DISCUSS WITH YOUR COUNSELOR) HOW ENTIRE BUILDINGS CAN BE REUSED RATHER THAN TORN DOWN WHEN THEY NO LONGER SERVE THEIR ORIGINAL PURPOSE

Notes:



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**DO ONE OF THE FOLLOWING (3A, 3B, OR 3C) IN REQUIREMENT 3**

**REQUIREMENT 3A:**

WITH YOUR PARENT'S AND COUNSELOR'S PERMISSION AND APPROVAL, ARRANGE TO MEET WITH AN ARCHITECT. ASK TO SEE THE SCALE MODEL OF A BUILDING AND THE DRAWINGS THAT A BUILDER WOULD USE TO CONSTRUCT THIS BUILDING. DISCUSS WHY THE DIFFERENT BUILDING MATERIALS WERE SELECTED. LOOK AT THE DETAILS IN THE DRAWINGS AND THE MODEL TO SEE HOW THE MATERIALS AND COMPONENTS ARE ATTACHED TO EACH OTHER DURING CONSTRUCTION.

\_\_\_\_\_

Counselor's Name

\_\_\_\_\_

Phone

\_\_\_\_\_

Counselor's Signature

\_\_\_\_\_

Date

approved

\_\_\_\_\_

Parent's Name

\_\_\_\_\_

Phone

\_\_\_\_\_

Parent's Signature

\_\_\_\_\_

Date

approved

Architect's Name: \_\_\_\_\_

Meeting Date: \_\_\_\_\_

Building Notes:





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#### REQUIREMENT 3B:

WITH YOUR PARENT'S AND COUNSELOR'S PERMISSION AND APPROVAL, ARRANGE TO MEET WITH AN ARCHITECT AT A CONSTRUCTION SITE. ASK THE ARCHITECT TO BRING DRAWINGS THAT THE BUILDER USES TO CONSTRUCT THIS BUILDING. WHILE AT THE SITE, DISCUSS WHY THE DIFFERENT BUILDING MATERIALS WERE SELECTED. DISCUSS HOW THE DIFFERENT BUILDING MATERIALS AND COMPONENTS ARE ATTACHED TO EACH OTHER DURING CONSTRUCTION.

\_\_\_\_\_

Counselor's Name

\_\_\_\_\_

Phone

\_\_\_\_\_

Counselor's Signature

\_\_\_\_\_

Date

approved

\_\_\_\_\_

Parent's Name

\_\_\_\_\_

Phone

\_\_\_\_\_

Parent's Signature

\_\_\_\_\_

Date

approved

Architect's Name: \_\_\_\_\_

Meeting Date: \_\_\_\_\_

Construction Site: \_\_\_\_\_

Building Notes:



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# ARCHITECTURE

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### REQUIREMENT 3C:

INTERVIEW SOMEONE WHO MIGHT BE YOUR CLIENT (SUCH AS A PROSPECTIVE HOMEOWNER OR BUSINESS OWNER) AS IF YOU WERE AN ARCHITECT. FIND OUT WHAT YOUR CLIENT'S REQUIREMENTS WOULD BE FOR DESIGNING A NEW HOME OR BUSINESS BUILDING. WRITE A SHORT PROGRAM INCLUDING A LIST OF REQUIREMENTS FOR THE PROJECT, THE FUNCTION OF THE BUILDING AND SITE, HOW THE FUNCTIONS RELATE TO ONE ANOTHER, AND THE GOALS OF THE PROJECT.

"Client's" Name:

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Meeting Date:

---

Building Notes:



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## ARCHITECTURE

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**REQUIREMENT 4:**

MEASURE A ROOM SUCH AS ONE WHERE YOU LIVE OR WHERE YOUR TROOP MEETS. MAKE AN ACCURATELY SCALED DRAWING OF THE ROOM'S FLOOR PLAN SHOWING WALLS, DOORS, CLOSETS, WINDOWS, AND ANY BUILT-IN FURNITURE OR CABINETS. NEATLY LABEL YOUR DRAWING WITH THE FOLLOWING: YOUR NAME, THE DATE, WHAT ROOM YOU DREW, AND THE SCALE OF THE DRAWING. (DRAWING SCALE: 1/4 INCH = 1 FOOT).



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**REQUIREMENT 5:**

FIND OUT ABOUT THREE CAREER OPPORTUNITIES IN ARCHITECTURE. PICK ONE AND FIND OUT THE EDUCATION, TRAINING, AND EXPERIENCE REQUIRED FOR THIS PROFESSION. DISCUSS THIS WITH YOUR COUNSELOR, AND EXPLAIN WHY THIS PROFESSION MIGHT INTEREST YOU.

Career Opportunity #1:

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Career Opportunity #2:

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Career Opportunity #3:

---

Selected Career Opportunity:

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Education:

Training:

Experience:

Notes: