

# Cub Scout Day at the National Building Museum January 30, 2010

You can use the following worksheet to help plan your visit.

## Webelos

NBM Activity	Badge	Requirements	✓
Paper Airplanes	Scientist	1.) Read Bernoulli's Principle. 6.) Show the effects of air pressure.	
Balloon Rockets	Scientist	8.) Build and launch a model rocket. Describe how Newton's third law of motion explains how the rocket is propelled into the sky.	
Floor Plan Draw-up	Engineer	2.) Draw a plan of your house. Include doors, windows and stairways.	
Be a Builder Construction Site Visit	Engineer	3.) Visit a construction site. Look at a set of plans used to build the facility or product	
Toothpick Bridges	Engineer	7.) Make drawings of three kinds of bridges and explain their difference. Construct a model bridge of your choice.	

## Bear

NBM Activity	Badge	Requirements	✓
Paper Airplanes	Elective 6. Aircraft	6d. Build and fly a model airplane. 6e. Label an airplane showing the direction of forces acting on it.	
	Achievement 21. Build a Model	21f. Make a model of a rocket, boat, car, or plane.	
Balloon Rockets	Elective 7. Things that Go	7d. Make an invention of your own design that goes.	
	Achievement 21. Build a Model	21f. Make a model of a rocket, boat, car, or plane.	
Paper Boats	Achievement 21. Build a Model	21f. Make a model of a rocket, boat, car, or plane.	
Visit the Museum	Achievement 10. Family Fun	10a. Go on an outing with your family.	

## Wolf

NBM Activity	Badge	Requirements	✓
Paper Airplanes	Elective 5. Spare Time Fun	g-h-i Make or put together some kind of model boat, car, train, or airplane.	
Balloon Rockets	Elective 5. Spare Time Fun	g-h-i Make or put together some kind of model boat, car, train, or airplane.	
Paper Boats	Elective 5. Spare Time Fun	g-h-i Make or put together some kind of model boat, car, train, or airplane.	
Visit the Museum	Achievement 4. Know Your Home and Community	4f. Visit an important place in your community, such as a historic or government location.	

## Tiger

NBM Activity	Badge	Requirements	✓
Paper Airplanes	Elective 17. Make a Model	You can make a model out of almost anything. You can make a model of a car, boat, house or airplane.	
Balloon Rockets	Elective 17. Make a Model	You can make a model out of almost anything. You can make a model of a car, boat, house or airplane.	
Paper Boats	Elective 17. Make a Model	You can make a model out of almost anything. You can make a model of a car, boat, house or airplane.	
Take Metro to the National Building Museum	Elective 48. Go for a Ride	Public transportation is a good way to get around. Take a ride on a bus or train.	