





Scouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Inventing merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations.

https://scoutmasterbucky.com/merit-badges/inventing/inventing-pamphlet.pdf

https://scoutmasterbucky.com/merit-badges/inventing/inventing-cpp.pdf

REQUIREMENT 2a REQUIRES COUNSELOR APPROVAL.

REQUIREMENTS 2a and 3c REQUIRE PARENT / GUARDIAN PERMISSION

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REQUIREMENT 1:	In your own words, define <i>inventing</i> .
Notes:	

REQUIREMENT 1a: Explain to your counselor the role of inventors and their inventions in the economic development of the United States.

Notes:







REQUIREMENT 1b:	List three inventions and state how they have helped humankind.
INVENTION #1:	
Invention:	
How this invention helpe	d humankind:
Tiow this invention helpe	u Humankinu.
INVENTION #2:	
Invention:	
How this invention helps	d humankind:
How this invention helpe	d Humankind.
INVENTION #3:	
Invention:	
114-1-1-1411	d become analysis de
How this invention helpe	d numankind:







DO ONE OF THE FOLLOWING (2A or 2B) FOR REQUIREMENT 2

REQUIREMENT 2a:	Identify and interview with a budd and counselor's approval) an indiv item. Report what you learned to y	idual in your community	
Person to Interview:			
Name of your Buddy who	o will be working with you:		
PARENT/GUARDIAN PERMI	SSION: IS REQUIRED.		
Parent's / Guardian's Name		Phone or Email	
Parent's / Guardian's Signature		Date	permission
COUNSELOR APPROVAL: IS	REQUIRED.		
Counselor's Name		Phone or Email	
Counselor's Signature		Date	approved
What did this person inve	ent?		
Notes:			







REQUIREMENT 2b:	Read about three inventors.
INVENTIOR #1:	
Inventor's Name and wh	nat they invented:
What did you read – inc	lude title and type (magazine, book, online, etc. [if online, be sure include the URL]:
INVENTIOR #2:	
Inventor's Name and wh	nat they invented:
mromor o mamo ana m	Lat u.e., invented.
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
vvnat did you read – inc	lude title and type (magazine, book, online, etc. [if online, be sure include the URL]:
INVENTIOR #3:	
Inventor's Name and wh	nat they invented:
What did you read – inc	lude title and type (magazine, book, online, etc. [if online, be sure include the URL]:







REQUIREMENT 2b:	Select the one you find most interesting and tell your counselor what you learned.
Selected Inventor:	
Notes:	
REQUIREMENT 3a:	Define the term intellectual property.
	Define the term intellectual property.
REQUIREMENT 3a: Notes:	Define the term intellectual property.
	Define the term intellectual property. Explain which government agencies oversee the protection of intellectual property.
Notes:	
Notes: REQUIREMENT 3a:	







REQUIREMENT 3a:	Explain the types of intellectual property that can be protected.
Notes:	
REQUIREMENT 3a:	Explain how intellectual property is protected.
Notes:	
REQUIREMENT 3a:	Explain why intellectual property is necessary.
Notes:	







REQUIREMENT 3b:	Explain the components of a patent.
Notes:	
REQUIREMENT 3b:	Explain the different types of patents available.
Notes:	





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REQUIREMENT 3c:	used. With your parent or guardian's permission, use the internet to find out more about that patent.
Scouting Gear Item:	
Patent Number:	
PARENT/GUARDIAN PERMI	SSION: IS REQUIRED.
Parent's / Guardian's Name	Phone or Email
Parent's / Guardian's Signature	Date permission
Notes:	
REQUIREMENT 3c:	Compare the finished item with the claims and drawings in the patent. Report what you learned to your counselor.
Notes:	







REQUIREMENT 3d:	Explain to your counselor the term <i>patent infringement</i> .
Notes:	
REQUIREMENT 4:	Discuss with your counselor the types of inventions that are appropriate to share
	with others, and explain why.
Notes:	







REQUIREMENT 4:	Tell your counselor about one unpatented invention and its impact on society.
Notes:	
REQUIREMENT 5:	Choose a commercially available product that you have used on an overnight
	camping trip with your troop. Make recommendations for improving the product.
Selected Product:	
Notes:	





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REQUIREMENT 5.	with your counselor.







REQUIREMENT 6:	troop, chartered organization, community, or a special-interest group.
What will you invent:	
REQUIREMENT 6a:	Keeping a notebook to record your progress. Talk to potential users of your invention and determine their needs. Then, based on what you have learned, write a statement describing the invention and how it would help solve a problem. This statement should include a detailed sketch of the invention.
	ng this requirement you will need to record your progress in your inventing progress notebook. The sure you have this ready to share when you meet with the merit badge counselor.
REQUIREMENT 6b:	Keeping a notebook to record your progress. Create a model of the invention using clay, cardboard, or any other readily available material. List the materials necessary to build a working prototype of the invention.
	ng this requirement you will need to record your progress in your inventing progress notebook. The sure you have this ready to share when you meet with the merit badge counselor.
Don't for	get to bring your model to share with the merit badge counselor
This requ	irement must be reviewed with your merit badge counselor. BE PREPARED!
REQUIREMENT 6c:	BE PREPARED! Keeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your notebook.
REQUIREMENT 6c: As a part of completi	BE PREPARED! Keeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your
REQUIREMENT 6c: As a part of completi	BE PREPARED! Keeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your notebook. Ing this requirement you will need to record your progress in your inventing progress notebook.
As a part of completing Make REQUIREMENT 7: * Note: Before you begin	Reeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your notebook. Ing this requirement you will need to record your progress in your inventing progress notebook. The sure you have this ready to share when you meet with the merit badge counselor.
As a part of completing Make REQUIREMENT 7: * Note: Before you begin	Keeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your notebook. In this requirement you will need to record your progress in your inventing progress notebook. It is sure you have this ready to share when you meet with the merit badge counselor. Build a working prototype of the item you invented for requirement 6.* IN BUILDING THE PROTOTYPE, YOU MUST HAVE YOUR COUNSELOR'S APPROVAL, BASED ON THE IS YOU HAVE ALREADY SHARED.
REQUIREMENT 6c: As a part of completing Make REQUIREMENT 7: * Note: Before you begind Design and Building Plant Counselor Approval: IS	Keeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your notebook. In this requirement you will need to record your progress in your inventing progress notebook. It is sure you have this ready to share when you meet with the merit badge counselor. Build a working prototype of the item you invented for requirement 6.* IN BUILDING THE PROTOTYPE, YOU MUST HAVE YOUR COUNSELOR'S APPROVAL, BASED ON THE IS YOU HAVE ALREADY SHARED. SREQUIRED.
As a part of completing Make REQUIREMENT 7: * Note: Before you begin design and building plane.	Keeping a notebook to record your progress. Share the idea and the model with your counselor and potential users of your invention. Record their feedback in your notebook. In this requirement you will need to record your progress in your inventing progress notebook. It is sure you have this ready to share when you meet with the merit badge counselor. Build a working prototype of the item you invented for requirement 6.* IN BUILDING THE PROTOTYPE, YOU MUST HAVE YOUR COUNSELOR'S APPROVAL, BASED ON THE IS YOU HAVE ALREADY SHARED.







REQUIREMENT 7:	Test and evaluate the invention. Among the aspects to consider in your evaluation are cost, usefulness, marketability, appearance, and function.	
Cost:		
Usefulness:		
Marketability:		
Appearance:		
Function:		



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REQUIREMENT 7:	Describe how your original vision and expectations for your invention are similar or dissimilar to the prototype you built.
Notes:	
REQUIREMENT 7:	Have your counselor evaluate and critique your prototype.
Don't forge	et to bring your prototype to complete this part of the requirement

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!







DO ONE OF THE FOLLOWING (8A or 8B) FOR REQUIREMENT 8

REQUIREMENT 8a:	Participate with a club or team (robotics team, science club, or engineering club) that builds a useful item.			
Club / Team and Locatio	n:			
Useful item that was buil	lt:			
Coach's / Teacher's / Leader's	Nama	Phone or Ema	il	
			11	
Coach's / Teacher's / Leader's		Date	□ ра	articipated with club or team
Notes:	Share your experience with your counselo			





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REQUIREMENT 8b:	Visit a museum or exhibit dedicated to an inventor or invention, and create a presentation of your visit to share with a group such as your troop or patrol.
Place and Location Visit	ed:
Inventor or Invention:	
Notes:	





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REQUIREMENT 9:	Discuss with your counselor the diverse skills, education, training, and experience it takes to be an inventor.
Diverse Skills:	
Education:	
Training:	
Experience:	







REQUIREMENT 9:	Discuss how you can prepare yourself to be creative and inventive to solve problems at home, in school, and in your community.
at home:	
in school:	
in your community:	
REQUIREMENT 9:	Discuss three career fields that might utilize the skills of an inventor.
Career Field #1:	Discuss three career helds that might utilize the skills of all inventor.
Career Field #2:	
Career Field #3:	