Scout Name	Unit #	_ Date
		_
Computer Merit Badge Worksheet		
SPECIAL NOTE FROM THE MERIT BADGE CENTER. Several requir Badge are obsolete technology and no longer in use. You may need to con approval of your District Advancement Committee, make adjustments to require the field of computing.	nsult your counselor, and with the	
Requirement 1		
Tell what computers are.		
Briefly describe the history of computers.		
What is data processing?		
How is data processing used?		
Requirement 2		
Name the four major components of a computer system.		
1		
2.		

Describe the function

Describe the function of one component in detail.

Which component are you describing?

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Requirement 3	44		
☐ Build a simple model of one	e of the following to illustrate its fun	ction in detail: Core Storage, Drun	n Storage, or Disk Storage.
Which type of storage	e are you creating a simple model for	?	
Requirement 4			
_	ses of analog and digital computers		
DIFFI ANALOG COMPUTER	ERENCES DIGITAL COMPUTER	ANALOG COMPUTER	SES DIGITAL COMPUTER
THAILOG COMI CIER	DIGITAL COM OTEK	THAILOG COM CILK	DIGITAL COMI CILIC
Explain the Hollerith and Powe	ers Codes		
Explain the roles of Hollerith a	and Powers Codes in Computers		
Dagwiyam ant 5			
Requirement 5			
Obtain your local post office Z	ip code and convert it to binary.		
What is your local pos	st office Zip code?		
	ivalent?		

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Dagwingmant (
Requirement 6		
Using the flow-chart diagram method, show the steps necessary in setti	ing up a campsite	
17.5		
Requirement 7		
Name four different uses of computers in business.		
1		
2.		
3		
4.		
Requirement 8		
Convert your full name to the following codes:		
Hollerith Code		

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Binary Coded Decimal		
Billary Coucu Decimal		
(a) 33 ≥ 3		
Eight-Channel Standard Code		
Eight-Chainer Standard Code		
Requirement 9		
Requirement 9		
Meaning of the following in your own words.		
Functional Units		
Functional Units		
Storage		
Input and Output Devices		
Random Access		
0.11.0		
Online System		
Central Processing Unit		
Magnetic Ink Character		
Information Dataional		
Information Retrieval		

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Solid-	State Components		
Nanos	econd		
Stored	Program		
Consc	le		
	ıl Reader		
	er		
Requireme	nt 10		
Do any two of	the following.		
☐ Visit a local	data-processing installation.		
Name	the data-processing installation visited:		
☐ Obtain and 1	ead two pieces of information about data processing other than the manufac	cture's literature.	
Name	the two pieces of information you read:		
1			
2			
Summ	arize what you read.		

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☐ Write a 500-word report on the various types of specequirements and average wage brackets when possible	ialist occupations available in	n the data-processing fi	eld. Include educational
requirements and average wage brackets when possible		F	
equirements and average wage blackets when possible	•		
and the second s			

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☐ Five examples of data-processing output or type, cards, or report form used.		
List the five examples shown to your counselor:		
1		
2.		
3.		
4.		
5.		
Requirement 11		
Do the following.		
☐ Construct an analog adder and explain its operation		
Draw the analog adder you constructed		
Explain the analog adders operation		
☐ Construct a card reader and demonstrate to your counselor.		
Draw the analog adder you constructed		

HOLLERITH CODE	INTERNAL MACHINE CODE

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