



Merit Badge Information Sheet [MBIS]
January 13, 2024

Merit Badge:	Programming
Counselor Name:	Jon Chuchla
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Preferred Method of Contact:	email
Prerequisites: <i>list all requirements which need to be completed in advance</i>	<p>1a 2-4, 6. do your research and give the responses in writing. We will review and discuss all of them in class. 5a-5c Submit your proposed programs in advance for approval. Please use a cloud sharing link to share code. (Google Drive, Dropbox, One Drive, github, etc..) After receiving approval, perform the modifications as required and resubmit the results. Please ensure to either use version control, or maintain an unmodified copy of the original for comparison purposes.</p> <p>When you email, put your "Programming MB" and your name on the subject header. If you can, send all the documents in one email. To comply with Youth Protection guidelines, scouts should copy a leader or parent on all email communication with the counselor.</p>
Class Work: <i>list all requirements which will be completed in class</i>	<p>1b 2-4 Discuss and compare the results of your research. 5a-c We will review some the programming exercises as a group and share noteworthy examples. 5d Each scout will explain their own programs 6 Discuss and compare the results of your research</p>
Use of "Online" Workbook:	<p>Workbook not recommended. https://filestore.scouting.org/filestore/Merit_Badge_Req_andRes/2023_Updates/35710(23)_Programming_REQ.pd?_gl=1*_blkamu*_ga*NzMzMjY5MTcxNTY5LjE2NDk4MTA5NjU.*_ga_20G0JHESG4*MTY5NDM5MjQzNi42Mi4xLjE2OTQzOTI0MzYuNjAuMC4w*_ga_61ZEHC_VHHS*MTY5NDM5MjQzNi4xNC4wLjE2OTQzOTI0MzYuNjAuMC4w&_ga=2.125362122.1377642929.1694392437-732171569.1649810965</p>



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Merit Badge Booklet:	NOT REQUIRED
Number of Sessions needed: <i>each session is 1 hour 25 minutes</i>	1
Maximum Class Size:	10
Notes and/or Comments:	Students will need to bring their own laptop and/or device they used to write and test their programs. If the programs require specific hardware to demonstrate (e.g. Arduino, PLC, etc...) they must bring that hardware as well. An emulator is an acceptable substitute so long as it demonstrates the program effectively.