

Newsletter December 2011
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This is the third RMRoberts.com Newsletter for the 2011-2012 school year. As always, we are providing new content to keep your course up-to-date in this rapidly changing field of technology.

The school year is going quickly. Soon, it will be the end of the first semester. Can you believe it? Here at RMRoberts.com, we are busy creating more **new** material for you to use in your courses until our new editions are available.

We hope you find the practice questions, labs, links and additional information helpful. If you like the information included here, please pass it along to colleagues, or direct them to www.RMRoberts.com to view all available content.

Computer Service and Repair

Are you teaching Windows 7 - XP Mode as part of your Computer class? We are providing this very important lab activity for Windows 7 - XP Mode at the following link. (This will take a moment to load.)

[Windows 7 – XP Mode Lab Activity](#)

If you are not familiar with XP Mode yet, you need to check it out. XP Mode will provide you with a wonderful alternative to a double or triple boot system. You can install Windows XP, Vista and 7 all on the same machine, and run them simultaneously. This is a great way to have your students become familiar with all three operating systems at the same time. The CompTIA A+ certification requires knowledge associated with all three operating system, XP, Vista and 7. The student can perform the same lab activity on all three operating systems using the same computer workstation without the need to reboot. The operating systems are installed on virtual partitions. Windows XP Mode also provides a means for your students to install more than one operating system on their own home computer if they are running Windows 7. At the time of this writing, the XP Mode is not available for Home Editions of Windows 7.

Here is a link you might be interested as additional classroom information for Computer Service and Repair, as well as Networking Fundamentals.

E-tutes has an excellent set of tutorials covering Voice over IP. The link below will take you right to them or simply use the following key terms to locate the material “e-tutes voice over IP”.

http://www.e-tutes.com/lesson13/networking_fundamentals_lesson13_1.htm

Networking Fundamentals

Be sure to check out the link above in the CSR Section.

Also, here we are providing another Student Study Guide and Practice Test covering the CompTIA Network+ Domain 3 - Networking Devices. After completing the self-study guide, the students should be able to pass the CompTIA Network+ Domain 3 Practice Test with flying colors.

[CompTIA Network+ Domain 3 - Study Guide](#)

[CompTIA Network+ Domain 3 - Practice Test](#)

Look at the training tutorials available at the following link. The Aruba networking site has many networking tutorials available for free. Be sure to take a look at the student outline of key points, as well as the practice test. They are both excellent resources.

<http://www.arubanetworks.com/support-services/training-top/training/>

The Aruba RF fundamentals, good for both Networking Fundamental and Electronics.

<http://www.arubanetworks.com/support-services/training-top/rf-fundamentals>

Electricity and Electronics

Make sure you check out the links above in the Networking Fundamentals section. They will prove to be a real asset for your electronics class.

Here are a few more links to help you in your classes.

A lot of excellent classroom resource from TEKtronics. They do require some information such as your email address.

<http://www.tek.com/education/>

Tektronics has an excellent primer for new students on the basics of the oscilloscope. It is approximately 60 pages and has a test at the end. You may want to use the test in your classroom to evaluate your students' ability to properly use the oscilloscope.

http://www2.tek.com/cmsreplive/tirep/15094/03W-8605-4_edu_2011.02.18.07.42.13_15094_EN.pdf

Another excellent resource from TEKtronics is a manual of how to perform detailed power supply measurements.

http://www2.tek.com/cmsreplive/tirep/15093/55W_18412_3_edu_2011.02.18.07.51.06_15093_EN.pdf

Opamp-Electronics website has a series of tutorials you may find valuable as supplemental information for your classroom.

<http://www.opamp-electronics.com/>

A great site for tutorials about basic radio is available at the Electronics-Radio website.

<http://www.electronics-radio.com/index.php>

Have you checked out the latest materials from Goodheart-Willcox Publishers. Click on the link below to see the very latest materials as related to

<http://www.g-w.com/Browse.aspx?CatID=0>

As always, we would love to hear from you to see if you appreciate the newsletter series, or if you wish to offer suggestions on topics you would like more information about. Also, please feel free to correct any errors you may find.

Contact us at <mailto:webmaster@rmroberts.com> We sincerely hope you find the material useful in your program of study. If there is a topic or area of course study you would like to see supplemented, please contact us by email at technical@RMRoberts.com, or contact your textbook representative at Goodheart-Willcox G-W.com.