

Newsletter January 2012

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As always you can download this newsletter in PDF Format for reference, handouts, sharing, or more relaxed reading on the link below.

[RMRobertscomNewletterJanuary2012](#)

Welcome to 2012 – The year will bring new and exciting challenges and we are sure to be able to help you with them. New tests, study guides, certification objectives and subject matter updates will be our priority items, along with helpful links and resources.

Computer Service and Repair

To start off the new semester, which may actually be the first semester for many of your students, I have designed a short introduction to Windows 7 and its most common features that will help prepare students for the CompTIA A+ and as well as the Microsoft Windows 7 Certification.

I have found all too often that most students are not familiar with all the most common features of Windows 7. In addition, the “Introduction to Windows 7” will also compare some of the Windows features to earlier Windows editions such as Windows XP and Windows Vista. The student must also be aware of the features that differ from each of the Windows 7 editions. For example, they must know which Windows 7 editions support XP Mode, or allow you to join a network domain.

[Introduction to Windows 7](#)

After finishing the “Introduction to Windows 7” article, you might use the Introduction to Windows 7 Quiz to evaluate your students’ readiness. I have included a number of questions in a quiz at the following link.

[Introduction to Windows 7 Quiz](#)

Below, you will find a link to a great PDF manual by Dlink on wireless networking basics. This will make an excellent handout for you to use in your classes for PC Repair, Networking Fundamentals, and Introduction to Electronics.

<http://documentation.netgear.com/reference/ita/wireless/pdfs/FullManual.pdf>

Networking Fundamentals

Below is a new Study Guide for CompTIA Network+ Domain 4 - Network Management

[CompTIA Network+ Domain 4 Network Management – Study Guide](#)

Also, find a Practice Test for Domain 4 below:

[CompTIA Network+ Domain 4 Network Management Quiz.](#)

The newest CompTIA Network+ Certification N10-005 test objectives were just released December 2011. These will take effect September 2012. The current Network+ Certification Standards N10-004 will expire August 31,2012.

To download a copy of the latest CompTIA Network+ N10-005 follow the link provided below.

<http://certification.comptia.org/getCertified/certifications/network.aspx>

I had a recent inquiry about the current edition of **Networking Fundamentals**, by Richard Roberts. To answer, this text will be an excellent preparation for students for the new Network+ N10-005. Over 95 percent of the objectives are covered in the current edition of the book. Click on this link below to see the comparison. The objectives that are not covered in the text will always be covered with reference links to material available on the Internet to supplement your textbook.

Also, get the real story behind the newest set of certification objectives!

[New Network Fundamentals Certification Standards for N10-005](#)

To learn more about the latest wireless standards affecting wireless broadband devices such as phones, tablets and more, Vista the 3GPP organization link.

<http://www.3gpp.org/>

Electricity and Electronics

Free Technical information for your class from the Texas Instruments website.

Recently while working on an update for Electricity and Electronics 11th edition, I went back to look over the Texas Instruments website. While there, I found a ton of resources you might want to use in your electronics course.

The first link takes you to the TI design support center. You can design or create electronic devices, parts list and more. You can run the software either on web using Java or downloadable version to run from your computer.

http://www.ti.com/general/docs/dsnsuprt.tsp?DCMP=TIHeaderTracking&HQS=Other%2bOT%2bhdr_s_design

Another example I found is a very nice resistor color-code chart that can be used as a student handout can be downloaded at the following link.

[http://www-k.ext.ti.com/srvs/cgi-bin/webcgi.exe?Company={5761bcd8-11f5-4e08-84e0-8167176a4ed9},kb=analog,case=obj\(2725\),new](http://www-k.ext.ti.com/srvs/cgi-bin/webcgi.exe?Company={5761bcd8-11f5-4e08-84e0-8167176a4ed9},kb=analog,case=obj(2725),new)

Free TI Calculators online

<http://www.ti.com/adc/docs/midlevel.tsp?contentId=23657>

Texas Instrument op-amp gain calculator.

[http://www-k.ext.ti.com/srvs/cgi-bin/webcgi.exe?Company={5761bcd8-11f5-4e08-84e0-8167176a4ed9},kb=analog,case=obj\(32618\),new](http://www-k.ext.ti.com/srvs/cgi-bin/webcgi.exe?Company={5761bcd8-11f5-4e08-84e0-8167176a4ed9},kb=analog,case=obj(32618),new)

Ohms law, serial parallel calculator RCL filters and more can be downloaded at the

Texas Instruments eLab™ Design Tools located at www.ti.com/analogelab

How about a Texas Instrument IC packaging acronym list used to describe the physical design of their ICs. An excellent classroom supplement. Use the link below.

<http://www.ti.com/sc/docs/package/guide.htm>

Free AC/DC course from TINA

<http://www.tina.com/English/tina/course/course>

Texas Instrument learning materials for schools and universities.

http://www.ti.com/lstds/ti/university_program/ti_university_program.page

There are many other items available at the TI website, but there is not enough room in one newsletter to list them all. Take some time to explore the website on your own.

As always, we would love to hear from you to see if you appreciate the newsletter series, or if you want 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.

Until next month, enjoy the new information we have provided here and have a good semester with your students.