Blown to Bits Chapter 3 Questions

This chapter describes hidden information in and associated with digital documents and the various mishaps that can happen if one is unaware of such information. Included in this chapter is also an explanation of ASCII and models.

# **Reading Questions:**

Keep these questions in mind as you read [chapter 3](http://www.google.com/url?q=http%3A%2F%2Fwww.bitsbook.com%2Fwp-content%2Fuploads%2F2008%2F12%2FB2B_3.pdf&sa=D&sntz=1&usg=AFQjCNFTtpTKxvdB8j0hqP0ObkX57teQuQ). For each question, write a short answer in your portfolio. Don't worry if you think you don't know the right answer. Just give it your best shot. Create a page called *Blown to Bits Chapter 3* under the *Homework* category on your ***Portfolio*** and post your answers to these questions on that page. You can revise your answers after we discuss this reading in class.

***Short answer:***

1. What is *metadata*? Give an example.
2. What is a *model*?
3. What's the difference between a *raster image* and an *ASCII representation* of a text document?
4. What are filename extensions? What are they used for?
5. What is *lossless representation*? What is *lossy representation*? What are the trade-offs in using each representation?
6. What is *steganography* and what is it used for?
7. What would you have to do to delete a document from your computer so that it could not possibly be read by anyone else?

***Free Response*:**

1. How has retouching become a controversial issue? Give an example.
2. Would you rather own a camera (or camera phone) with a higher number of megapixels or lower? Explain.
3. Other than digital images, what might be an example of a computer model? Explain your answer based on the definition of a model.

***Bonus Questions (may require additional reading)***

1. TBD