

Clover Lessons Score Sheet  
Spatial Resolution and Contrast Resolution

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Please complete the following lessons in Clover Learning. In bold are main categories, followed by subcategories, and individual lessons presented in the tables.

**1. Radiography Image Evaluation and Quality Controls** > Image Quality Factors

| Lesson                                                                                                                                                                                                                                                             | Score |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Contrast (Introduction)                                                                                                                                                                                                                                            | 100   |
| Contrast (Procedural Factors)                                                                                                                                                                                                                                      | 100   |
| Contrast (Subject Contrast)                                                                                                                                                                                                                                        | 100   |
| Spatial Resolution (Overview)                                                                                                                                                                                                                                      | 100   |
| Spatial Resolution (Image Receptor Factors)                                                                                                                                                                                                                        | 100   |
| Spatial Resolution (Digital Image Factors)<br><i>This lesson discusses pixels within the image matrix. The size of these pixels can be manipulated by adjusting matrix size. The IR pixels or DELS and monitor display pixels are fixed sizes, not adjustable.</i> | 100   |
|                                                                                                                                                                                                                                                                    |       |

**2. Fundamentals of Digital Radiography** > Digital Radiography

| Lesson                                                                                                              | Score |
|---------------------------------------------------------------------------------------------------------------------|-------|
| Detective Quantum Efficiency (DQE)                                                                                  | 100   |
| Modulation Transfer Function (MTF)                                                                                  | 100   |
| <i>Recommended but NOT Required</i>                                                                                 |       |
| Bit Depth and Quantization<br><i>A review on how bit depth is determined and its effects on contrast resolution</i> | NG    |
| Signal-to-Noise Ratio (SNR)<br><i>The affect SNR has on image quality and the variables that increase noise.</i>    | NG    |