

Student Name: _____

Date: / /

This assessment checklist provides a guide to record student's demonstrated skills and knowledge.

Demonstrated knowledge/skills	Yes/No or progressing	Comments
<p>The student explains the way an image is encoded using binary data.</p> <ul style="list-style-type: none"> - 1 bit per pixel produces either a black pixel or a white pixel <p>0 1</p>  <ul style="list-style-type: none"> - 3 bits per pixel produces 8 colours; <p>111 110 101 001 000 100 011 010</p>  <p>The bitmap image provided is used to explain how binary digits are combined to create a coloured pixel.</p> <ul style="list-style-type: none"> - The student explains that an image is made up of individual pixels. - The student connects the 3 bit binary digits with the colours represented in the bitmap image - The student can represent the 5 colours correctly - The student identifies the 3 remaining combinations of binary digits 		
<p>The student can create their own bitmap image by encoding a grid using binary bit representation.</p> <ul style="list-style-type: none"> - The grid is encoded using binary digits for each grid square - The encoded grid produces an image - The student can decode someone else's grid to produce an accurate image 		

