 **Threshold Concepts and Subject Progression**

**Technology**

**Year: 8 Unit Name: Mood Light**

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| **What do I need to know from previous learning?** |
| Carry out basic workshop techniquesHow to join disimilar materialsChoose the correct tools and processes for practical techniquesUnderstand the importance of tolerance limitsMaterial properties and functions.How to add a finish to materials |
| **What do I need to learn? What do I need to remember?** |
| * Create a working drawing using British Standard techniques
* Plan each making stage of the practical using the flow chart technique and be able to apply quality control
* Choose the correct tools for the job
* How to shape, join and finish dissimilar materials
* Create a high quality end product
* Have an understanding of basic series circuits
* Have knowledge and understanding of wood and plastics – characteristics, properties and uses
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| **How can I extend this learning?** |
|  Investigate how the mood light would be manufactured in industryWhat is the difference between quality control and quality assurance?Why is quality assurance and quality control so important in industry? Be able to set up machines to set depths and work within specifc tolerance limits |