

**Risk Assessment and Risk Benefit Analysis - Design and Technology**

Location - Havannah Primary School, Congleton. School is part of East Cheshire Council.

Significant Hazards/Risk	Level	Control/Actions	Risk Benefit
Sewing -Needle Injury -Cotton cuts	Low	Pupils are supervised during the activity. • Cotton strands etc. are cut using only scissors. • Only materials, which can be easily sewn and/or stitched are to be used to avoid excess pressure being used to sew materials together. • Finger bobbins to be supplied to help pupils sew materials which are denser to work with & sew. • Pupils are taught how to use a needle safely	<ul style="list-style-type: none"> <li>• Pupils acquire new skills and have the opportunity to work with a different medium.</li> <li>• Sewing is a valuable life skill.</li> <li>• Sewing activities support the pupils to access a rich, DT curriculum as set out by the National Curriculum.</li> </ul>
Using a Glue Gun -Burns, due to hot components and glue	Low	Pupils to be taught how to use the gun this safely and always be supervised. • Staff to be aware of what to do if a child accidentally burns themselves with the gun. This is so that the correct treatment is administered immediately- Low-melt glue guns are considered safer than hot-melt glue guns and should be use if possible. • If hot-melt glue guns are to be used, these should only be used by older children and under strict supervision. • Any electrical equipment should be regularly tested for electrical safety.	<ul style="list-style-type: none"> <li>• Enables pupils to complete a project independently without an adult assembling their design.</li> <li>• Develop the skill of joining/assembling materials safely.</li> <li>• Prepares them for high school, where glue guns are used and later life.</li> <li>• Ensures progression of materials and tools as part of the DT curriculum.</li> </ul>

		<ul style="list-style-type: none"> <li>• A glue gun stand should be used; equipment should only be purchased from a reputable supplier.</li> </ul>	
<p>Using Sharp Objects (knives, saws, graters, peelers) -Cuts &amp; lacerations</p>	<p>Low</p>	<p>All cutting tools and equipment must be kept sharp to avoid excess pressure being applied.</p> <ul style="list-style-type: none"> <li>• If cutting tools are used, a cutting board or mat should be used to avoid damage to unprotected surfaces.</li> <li>• Craft knives should only be used under strict supervision and by older children.</li> <li>• Metal safety rules should be used when drawing straight lines.</li> <li>• Craft knives with retractable blades should be used whenever possible. A 'Quick Cutter' is a safer alternative for younger children.</li> <li>• The use of guillotines and trimmers must be supervised.</li> </ul>	<ul style="list-style-type: none"> <li>• Provides opportunities for pupils to work with new equipment that they will use in adulthood.</li> <li>• Ensures skill progression from EYFS to KS1, to KS2, as each key stage will use different tools.</li> <li>• Provides pupils with the opportunity to work in the same way as real life designers, inventors, manufacturers and chefs.</li> <li>• Develops skills that will support them throughout their life and that can continually be built upon during their time in education.</li> </ul>