



# Trenance Learning Academy

## Strategies for supporting pupils with Special Educational Needs and Disabilities in Design Technology lessons

Individual Need	Here's how we help everyone learn.....
Attention Deficit Hyperactivity Disorder	<ul style="list-style-type: none"> <li>✓ Praise positive behaviour at each step to support low self-esteem.</li> <li>✓ Ensure clear instructions are given throughout the lesson.</li> <li>✓ Provide time limited learning breaks.</li> <li>✓ Ensure step by step instructions are given, so each child knows what part of the lesson they are working on. (For example, the design, the creation or the evaluation).</li> <li>✓ Provide additional time for pupils to express their ideas before the lesson with a pre-teach where appropriate.</li> <li>✓ Provide D&amp;T tools when necessary to avoid distractions during teacher input.</li> </ul>
Anxiety	<ul style="list-style-type: none"> <li>✓ Ensure the child knows the support available on offer before the lesson begins.</li> <li>✓ Provide lots of opportunities to ask questions to clarify thinking and ideas during the lesson.</li> <li>✓ Teach problem solving before the lesson, and strategies to overcome problems that might be faced in these subjects.</li> <li>✓ Model how to use D&amp;T tools before setting the work.</li> <li>✓ Use a 'Now and Next' board to explain any changes to the routine, for example if a child will be sitting somewhere else to complete group work, manage this before it happens</li> </ul>
Autism Spectrum Disorder	<ul style="list-style-type: none"> <li>✓ Use a visual timetable so the child knows what is happening at each stage of the day.</li> <li>✓ Understand if your child is hypo-sensitive or hypersensitive and how they will manage the learning you are asking them to partake in.</li> <li>✓ Provide materials and textures that they can use and understand this information before the lesson.</li> <li>✓ Avoid changing seating plans</li> <li>✓ Ensure outcomes are clear, with a clear end point to the lesson, so children know when they have reached this.</li> <li>✓ Use simple, specific instructions that are clear to understand.</li> <li>✓ Understand your pupil's skills, and where their starting place is</li> </ul>
Dyscalculia	<ul style="list-style-type: none"> <li>✓ Provide concrete resources to help with mathematical equations, drawing to scale and planning D&amp;T projects.</li> <li>✓ Make a resource box for different D&amp;T project stages.</li> <li>✓ Use technology available during the design process if required.</li> <li>✓ Ensure the child knows the support available on offer before the lesson begins.</li> <li>✓ Provide electric measuring tools for cooking to aid independence</li> </ul>
Dyslexia	<ul style="list-style-type: none"> <li>✓ Use simple, specific instructions that are clear to understand.</li> <li>✓ Pre-teach vocabulary linked to D&amp;T that will help the child to succeed in the lesson like planning, designing and evaluating.</li> <li>✓ Differentiate the Learning Intention so the child understands what is being asked of them.</li> <li>✓ Model how to use D&amp;T tools before setting the work</li> </ul>
Dyspraxia	<ul style="list-style-type: none"> <li>✓ Make the most of large spaces before starting projects.</li> </ul>



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	<ul style="list-style-type: none"> <li>✓ Provide looped scissors if needed.</li> <li>✓ Ensure the tools you are using are accessible to the child i.e. rulers with handles.</li> <li>✓ Provide a lesson breakdown, with a clear end, a tick list might be beneficial.</li> <li>✓ Provide an equipment list, words, or visuals, with the tools and materials needed during the lesson.</li> <li>✓ Model how to use D&amp;T tools before setting the work.</li> <li>✓ Differentiate the size and scale of a project and its end result.</li> </ul>
<p>Hearing Impairment</p>	<ul style="list-style-type: none"> <li>✓ Make sure instructions are clear and concise, in case the child lip reads, and in case of an emergency.</li> <li>✓ Give instructions when the room is quieter, and be mindful of additional noise when cooking, or using loud tools like hammers.</li> <li>✓ Pre-teach vocabulary linked to D&amp;T that will help the child to succeed in the lesson like planning, designing and evaluating.</li> <li>✓ Try and arrange tables in a circular shape.</li> <li>✓ Provide sign language visuals where possible</li> </ul>
<p>Toileting Issues</p>	<ul style="list-style-type: none"> <li>✓ Encourage children to use the toilet before working on a project, as they may feel this isn't as easy when they are wearing protective clothes and covered in clay/glue/cooking ingredients etc.</li> <li>✓ Encourage children to wear protective clothes that make access to the bathroom manageable</li> </ul>
<p>Cognition and Learning Challenges</p>	<ul style="list-style-type: none"> <li>✓ Use visuals to break each stage of the design process down into clear, manageable tasks.</li> <li>✓ Use language that is understood by the child, or take the time to pre-teach language concepts including design, develop and evaluate.</li> <li>✓ Provide resource lists with visuals so children know what resources they need for an activity and can begin to access these independently.</li> <li>✓ Model how to use D&amp;T tools before setting the work.</li> <li>✓ Physically demonstrate the lesson and the expectations include designing, making and evaluating where possible</li> <li>✓ Support children with their organisation in the lesson, especially when cooking to make sure they do not default from the final product.</li> <li>✓ When cooking, or making something provide checklists which can be ticked off</li> </ul>
<p>Speech, Language &amp; Communication Needs</p>	<ul style="list-style-type: none"> <li>✓ Provide instructions that are clear, concise and match the language of the child, delivering these instructions slowly.</li> <li>✓ Use a visual timetable where necessary.</li> <li>✓ Use visuals on resource lists.</li> <li>✓ Use visuals on resource boxes so children know which one to access.</li> <li>✓ Encourage designs and evaluations to be done using pictures and child's voice where possible and then recorded by an adult</li> </ul>
<p>Tourette Syndrome</p>	<ul style="list-style-type: none"> <li>✓ Provide short, simple clear instructions.</li> <li>✓ Try and keep the children calm in a lesson, although D&amp;T can be exciting, as this can lead to a tic.</li> <li>✓ Provide additional support with cutting, using looped scissors and handled rulers</li> </ul>



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Experienced Trauma	<ul style="list-style-type: none"><li>✓ Provide opportunities to be curious and explore the tools and resources that children will use.</li><li>✓ Use simple, specific instructions that are clear to understand, and deliver these slowly.</li><li>✓ Slowly build up the tools a child can use, as they become more confident in their learning, especially in regard to cooking.</li><li>✓ Model and remind children behavioural expectations when using tools including clay and cooking, and safe ways of using these including health and hygiene. Use visuals if needed.</li><li>✓ Before the lesson, remind children that D&amp;T is about trial and error</li></ul>
Visual Impairment	<ul style="list-style-type: none"><li>✓ Make sure you have the child's attention before giving instructions.</li><li>✓ Encourage children to verbalise their design and evaluation as well as their thoughts and feelings if possible</li><li>✓ Make sure resources are well organised and not cluttered.</li><li>✓ When drawing designs or writing evaluations, provide thicker, dark pencils to write with.</li><li>✓ Provide enlarged examples of the work to be completed.</li><li>✓ Provide children with additional time when exploring new textures and materials</li></ul>

