



Schemes of work

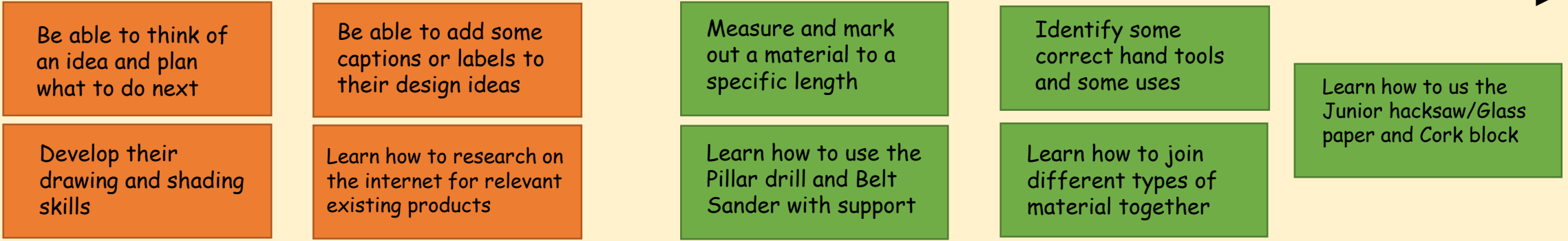
Year: Foundation

Subject: RMT

Mrs Rigler

Baseline Assessment

Rotation 1: Picture/Photo stand



Progress	Designing and Modelling	Making
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Oakwood Learning Stage 1 and 2	With support I can find relevant images related to my project and can talk about one of the familiar products. I can make suggestions for an idea that could be designed and made.	With support I am beginning to identify and practice using some of the correct tools to be used for making my product. I am beginning to move safely around the workshop safety and follow instructions to put equipment away.
Oakwood Learning Stage 3 and 4	With some support I can find relevant images related to my project and talk about one of the familiar products and what it is used for. I will use these images to help me begin to develop my ideas through talking about what I am going to do.	I can follow instructions to use a basic hand tool correctly with support. I am starting to identify a range of correct tools for the task and describe what they are used for. I can move around the workshop safely and put my equipment away with some support.
Oakwood Learning Stage 5 and 6	I can independently find relevant images for my project using more than one source and talk about the range of the familiar products and what they are used for. I can use these images as inspiration to help me think of and create some design ideas. I am starting to add some labels to my design ideas.	I can choose the correct hand tool for the task and explain my choice. I can use some basic hand tools correctly and describe their uses. I am starting to measure materials to a specific length so that I can join the pieces together correctly.

Rotation 1: Picture/Photo stand



Chooses materials generally appropriate to the task

Selects the correct resources to decorate their product

Learn about different types of woods and some qualities of them.

Learn about the differences between Manmade and Natural wood

Begin to learn how to use 2D design to help me with my project

Describes with key words what they did to get their finished product

I can identify a part of my product that could be improved

Progress	Technical Knowledge	Evaluating
Oakwood Learning Stage 1 and 2	<p>With support I can identify some differences between types of woods and how they are visually different then put them into the correct categories. With support I am able to collect the correct resources needed to decorate my product.</p> <p>With support I am beginning to explore/use the computer drawing package 2D design to help support my practical work.</p>	<p>With support I am starting to be able to identify using key words some of the things I did/used to create my finished product. With support I can name one of the materials I am using.</p> <p>I can with support describe how my product works and suggest a way to improve it.</p>
Oakwood Learning Stage 3 and 4	<p>With some support I am able to choose a material for a specific job/reason. With support I can describe some qualities of different types of materials. With some support I am able to collect the correct resources needed to decorate my product.</p> <p>With some support I can use some basic tools within 2D design to help support my practical work.</p>	<p>With some support I am able to describe some of the process of making my product using key words and identifying some tools I have used. I can with some support describe what went well and what didn't when making my product and give a reason on how I could improve it.</p>

RMT Scheme of work

Rotation 2: Jigsaw/Keyring



Be able to create a Specification or set of Design criteria	Create a design idea, making sure to think about layout	To learn about Heat processes and how they are used	I can assemble and join materials together in order to make a product.
Begin to use a light box to help draw out my designs.	To develop my drawing and shading skills	To understand what the Laser cutter does and how it works	To learn about ways that we can keep safe when using machinery.

Progress	Designing and Modelling	Making
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Oakwood Learning Stage 1 and 2	<p>With support I can create a simple Specification/Design criteria before I design my product. With support I can find an image for my project and I can use it to help me think of, draw and colour a simple design idea. With support I am able to trace an image from the light box to help with my design idea. With support I can look at an existing product and describe what I like about the product and why.</p>	<p>With support I am able beginning to use some machines to help me create my product. I am beginning to identify ways that I can keep myself and other people safe when using the machines. With support I am beginning to assemble and join materials in order to make a product.</p>
Oakwood Learning Stage 3 and 4	<p>With minimal support I can create a basic Specification and some relevant Design Criteria before I design my product. With some support I can find a relevant image/images for my project and I can use it to help me think of, draw and shade a design idea. With minimal support I am able to trace an images from the light box to help with my design ideas. With some support I can look at a range of existing products and describe what I like and dislike about the product and why.</p>	<p>With some support I am able beginning to use and correctly name some machines that help me create my product. I can describe some ways I can keep myself anf other people safe when using the machines. With support I am beginning to assemble and join materials in order to make a product.</p>
Oakwood Learning	<p>With minimal support I can create a Specification with relevant Design Criteria points before I design my product I can find relevant images for my project and I can use these to help me think of, draw and shade a creative and detailed design idea. I can independently trace an image on the light box to help with my design ideas</p>	<p>With minimal support I am able to use and correctly describe some machines that help me create my product. With minimal support I am able to describe some more complex steps that I can take to improve my own or</p>

Rotation 2: Jigsaw/Keyring

Learn how to create a Specification and some Design Criteria for a product

Learn about CAD/CAM and why it is important

Look at existing products and describe what they like or dislike about them

I am starting to look at different materials and the reasons as to why they are being used

I am beginning to identify some changes that I have made during the making process to improve my work

Progress	Technical Knowledge	Evaluating
Oakwood Learning Stage 1 and 2	<p>With Support I can respond to stimuli about what CAD and CAM stand for and how they are used in RMT to make products. With support I am continuing to build on my knowledge of how to use a simple computer drawing package (For example 2D design or Tinker cad) to create a practical piece of work. With support I am beginning to investigate different ways to decorate natural and manmade materials with different types of finishes.</p>	<p>With support I can evaluate my work against my design criteria using a grid/scaffolding to help me. With support I am beginning to identify some changes I have made during the making process to make my work better. With support I am beginning to investigate different materials and the reasons as to why they may be used for a particular purpose.</p>
Oakwood Learning Stage 3 and 4	<p>With some support I can identify the difference between CAD and CAM. I can identify and advantage and disadvantage of each one. With some support I am continuing to build on my knowledge of how to use basic tools within a simple computer drawing package (For example 2D design or Tinker cad) to create a practical piece of work.</p>	<p>With some support I can evaluate my work against my design criteria. With some support I am starting to identify some changes I have made during the making process to improve my work and describe a reason why this has been made. With some support I am starting to look at different materials and the reasons as to why they may be used for a particular purpose.</p>
Oakwood Learning Stage 4 and 5	<p>With minimal support I can identify the difference between CAD and CAM. I can identify a range of advantages and disadvantage of each one. With minimal support I can use a variety of tools within a computer package (for example 2D design or Tinker cad) to help support my practical work. I am independently able to apply a variety of decorations confidently on natural and manmade materials with different types of finishes.</p>	<p>With minimal support I can evaluate my work against my design criteria. E.g how well it meets its intended purpose. With minimal support I am able to identify some changes I have made during the making process to improve my work and explain the reasons why these have been made. With minimal support I am able to describe some different materials and the reasons as to why they may be used for a particular purpose.</p>