

RENDERING TECHNIQUES

This mobile revision pdf is based on detailed work found in the Shading Techniques section of the website. Tap on the green link button below to go to the complete website section



Tap the blue button to view areas covered by this Revision PDF



RENDERING TECHNIQUES

1. USING FELT PENS – fine
and brush pens

2. VIDEO SHOWING THE
TECHNIQUE ABOVE

3. DRAWING A CRAFT KNIFE
– RENDERING WITH FELT
PENS AND COLOURED
PENCILS

4. MP3 PLAYER – DRAW
AND RENDER

5. VIDEO – DRAWING AND
RENDERING THE MP3
PLAYER

USING FELT PENS

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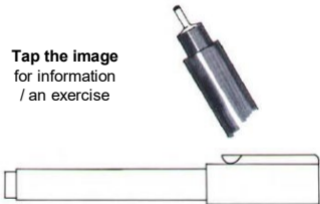
Fine felt pens and brush felt pens can be used to colour a drawing/design with good results.

This technique is not time consuming, although drawing accurately is very important.

For this example, we will draw a felt pen.

1. Draw the outline faintly, with a pencil. Check that it is accurate and then use a fine micro-point felt pen to go over the outline. Black has been used, as the outline in this example.

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for information
/ an exercise



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USING FELT PENS

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2. Draw two lines down the centre of the pen, which will represent light reflecting off the curved surface. These lines should be the same colour as the pen used to colour the remaining space (red in this case)

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USING FELT PENS

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3. Use a paint brush type felt pen to colour in the rest of the space. Allow the ink to dry and then go over the bottom part of the pen again, making it darker. This should give the impression of a curved surface.

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USING FELT PENS

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A dark line is drawn,
emphasising the
bottom edge of the
pen

The same red
brush felt pen, is
used to darken
the bottom portion
of the pen

White space is left,
which gives the
impression of
reflected light

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EXERCISE 1 – USE OF FELT PENS

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1. Draw the outline in faint pencil and check carefully that it is accurate.
2. Use black and red fine felt pens to go round the outline. Black for the end of the pen and red for the body and top/lid of the pen.
3. Use a paint brush type felt pen, to colour in the space - red for the body and top, black of the end.
4. Allow plenty of time for the ink to dry and then use the paint brush type pens to add a little more colour to the bottom edge of the pen to give a more 3D effect.

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EXERCISE 2 – USE OF FELT PENS

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1. Draw the outline in faint pencil and check carefully that it is accurate.
2. Use a fine blue felt pen to go round the outline.
3. Use a blue paint brush type felt pen to colour in the space.
4. Allow plenty of time for the ink to dry and then use the paint brush type pen to add a little more colour to the bottom edge of the pen to give a more 3D effect.

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VIDEO DEMONSTRATING THE FELT PEN TECHNIQUE

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Tap the image for a video demonstrating the felt pen technique



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In this exercise you will use three types of felt pen Broad, Brush and Fine tipped pens

Tap the image for each stage of drawing / rendering



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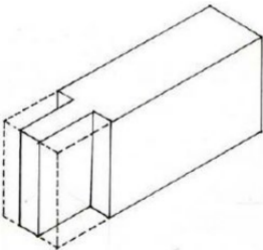


DRAWING AND RENDERING EXERCISE

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1. The style of drawing is decided - in this case a three dimensional style called isometric drawing is adopted. The basic outline is drawn carefully with a pencil as any mistakes can be corrected easily.

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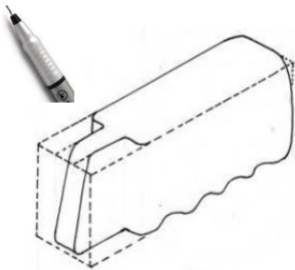
DRAWING AND RENDERING

EXERCISE

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2. More detail is added such as rounding off corners and adding the finger grips to the craft knife. A fine black ink pen is then used to go over the pencil lines.

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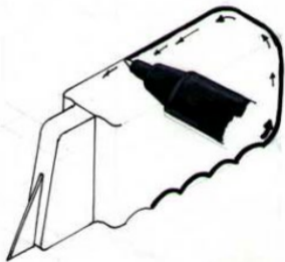


DRAWING AND RENDERING EXERCISE

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3. A slightly wide black ink pen is then used to go round the inside of the drawing (in particular, the handle of the craft knife).

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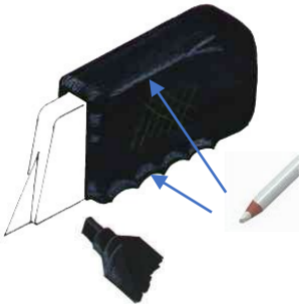


DRAWING AND RENDERING EXERCISE

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4. A chisel tipped black felt pen is then used to fill the handle with colour quickly. This is allowed to dry and then a white pencil crayon is used to add relief or curves to the drawing.

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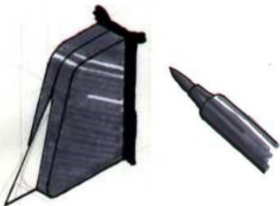


DRAWING AND RENDERING EXERCISE

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5. The blade holder is then coloured using a brush tipped felt pen (in this case grey is a suitable colour). Notice that white space is left to give the impression of light reflecting of the metal.

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DRAWING AND RENDERING EXERCISE

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6. Finally, use a different coloured felt pen to underline the drawing. In this case a gold/yellow chisel tipped felt pen has been used to make the drawing stand out.

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MP3 PLAYER – DRAW AND RENDER

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Designers regularly draw in 3D, often adding colour / rendering. In this exercise you will draw and render an MP3 player

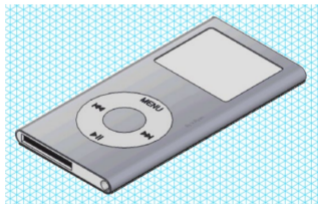
Product specification:

Screen : clear plastic

Body : grey

Circular menu selector : white

Tap the image for the ISOMETRIC GRID



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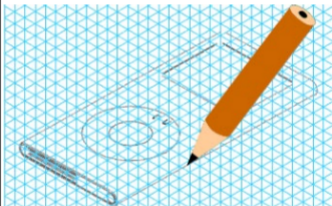
MP3 PLAYER – DRAW AND RENDER

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Draw the mp3 player in pencil. Use an isometric grid to help you draw the 30 degree angles / lines.

Draw each line faintly. This means that mistakes can be erased easily.

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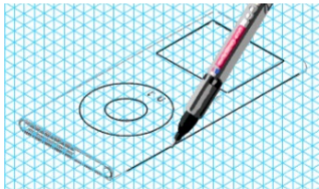
MP3 PLAYER – DRAW AND RENDER

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Having completed the 3D sketch in pencil, repeat each line. This time using a fine black pen.

Take care, as mistakes drawn in ink cannot be corrected.

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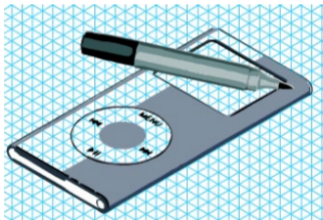
MP3 PLAYER – DRAW AND RENDER

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Using a broad / brush felt pen, add colour.

Alternatively, add colour with pencils.

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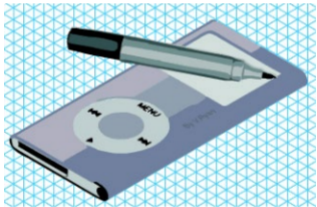


MP3 PLAYER – DRAW AND RENDER

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Add a second layer of colour with a felt pen. Only emphasise part of the sketch (see drawing opposite). This adds to the 3D qualities of the sketch.

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VIDEO

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Tap the image for a video demonstrating drawing and rendering the MP3 player

ISOMETRIC DRAWING EXERCISE DRAWING AND SHADING THE MP3 PLAYER



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