



# DREMEL®

## Book of Inspiration

50 step by step projects





# INSPIRATIONAL IDEAS AT YOUR FINGERTIPS

The Dremel® Book of Inspiration offers 50 ideas for hands-on creative projects at different levels of difficulty and limitless opportunities for your own projects using Dremel's Versatile Tool Systems™.

Celebrate the moments in the year when family and friends come together, when traditions are honoured and which take us through the seasons as they roll through their different moods and colours.

Whether your passion is to see your home looking beautiful at Christmas, on a family birthday, at the change of seasons, when you've moved or adding that personal touch to gifts to mark a marriage, a birthday or the arrival of a new baby, or simply restoring furniture or doing bodywork on your car, Dremel hopes that this book will help you to add creativity, practical and personal touches to the most important moments and aspects of your life.



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# ABOUT DREMEL®

Dremel® was founded in 1932 by AJ Dremel who introduced the world's first multitool.

Today, it is dedicated to creating and manufacturing Versatile Tool Systems™, of the finest quality for consumers engaged in a wide variety of hands-on DIY and creative hobbies, such as, indoor and outdoor home maintenance projects, automotive restoration, woodworking, model building, as well as a multitude of creative projects from jewellery making to scrapbooking.

The Dremel core product line is defined by the Dremel multitool, a versatile high speed motor unit which can be used to drive a system of over 150 available Dremel accessories and attachments.

Over the years, Dremel has introduced other tool systems such as, glue guns, engravers, clamps, worktables and butane torches that make it easier to perform detailed and intricate tasks for any kind of hands-on project.

[Dremel. Big on Detail.](#)





# STYLISH DINING TABLE

Entertain in style by embellishing beautiful coloured glass carver plates with tiny glass mosaics and ethereal engraving to create a talking point at your stylish dinner parties. The glass carvers act as the base of your crockery collection inspiring a beautiful new look. Simply buy the items listed opposite and follow our instructions. Your unique dining table will be the envy of all your friends!

## MATERIALS REQUIRED

- Dremel® Engraver with the Diamond Engraving Tip 9929
- Dremel® VersaFlame™
- 20 x 10mm glass mosaic
- 3/16" self-adhesive copper foil tape
- Solder containing flux
- Glass glue
- Glass carver plates

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Apply self-adhesive copper tape around the edges of approximately forty 20 x 10mm mosaic tiles. This will be enough to decorate a carver plate with a diameter of 30 centimetres. Then apply two strips of copper tape around the edge of the carver plate, spacing them 20mm apart. Burnish the tape smooth using a bone folder or the back of a teaspoon. Glue the mosaics around the plate so that the top and bottom edges touch the tapes, spacing the mosaics randomly as shown. The glass glue requires sunlight to bond.

### DREMEL TIP

Choose plates that have a defined rim area. Creating a decorative border around the outer edge of the rim will ensure that the pattern is seen when the carver is in use. Small-sized pieces of multi-coloured glass mosaic in one single line will achieve a delicate look and will allow you to fit both mosaic and engraving onto the rim.

### STEP 2

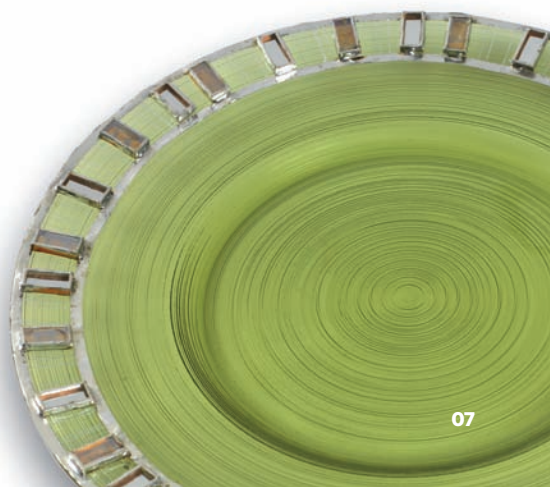
Then, using the VersaFlame and soldering tip, solder around the individual pieces of mosaic, and around the rim twice to cover the copper tape.

### DREMEL TIP

When you have soldered around the entire rim, remove the soldering tip and use a naked flame to soften the solder and smooth out any small irregularities caused by the soldering tip. Avoid overheating the solder or the glass.

### STEP 3

Then, take your Dremel Engraver with the Diamond Engraving tip 9929 and engrave lines in between the mosaic tiles, containing them within the border and positioning them randomly as shown. Alternatively, simply engrave into the edge of the plate below the mosaic'd rim, creating your own pattern.







# GLASS CANDLEHOLDER

Why not engrave a beautiful candleholder for your home, filling the room with flowers to create a delightful, lit and scented space? It's quick and easy to do with the design of your own choice giving it a personal touch. Use a tea light to create the glow and invite friends or family round!

## MATERIALS REQUIRED

- Dremel® Engraver with Diamond Engraver tip 9929
- Glass (preferably coloured or frosted)
- Tracing paper
- Black felt

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

To engrave your design onto the candleholder, you will need a Dremel Engraver. A light and compact tool, it can be used across a wide variety of materials: metal, plastic, glass, ceramic, wood and leather. It's ideal for making any number of gifts.

First of all, remove any grease marks by washing a glass in warm soapy water and then dry thoroughly. Our glass is 7cm high x 7cm diameter. Almost any glass is suitable but for the best effect, try using a coloured or frosted glass. Draw a simple design on paper. We've chosen butterflies but a leaf or flower design would work just as well. Place the design inside the glass and hold in place with some black felt. You should be able to see the design clearly through the glass.

### STEP 2

Now set the Dremel Engraver with the Diamond Engraving tip 9929 on speed 1. Hold the tool at a slight angle as if you're working with a pencil and engrave the glass along the outline of your design. There's no need to apply pressure, just position the tip accurately on the glass and move steadily along the outline. When complete, remove the paper and place the felt back inside the glass. This will help you see any gaps in the outline.

### STEP 3

Fill in the design by engraving with parallel lines positioned as closely together as possible. Work patiently in this way until the whole design is covered and then smooth the engraving to a neat and professional finish.



# WOODEN BOWL WITH FILIGREE PATTERNED RIM

Take your Dremel® 7700 and engrave an elegant wooden bowl that will add to your table on any occasion. If you use one that's reasonably flat, it will make a great fruit bowl that can also be used to display canapés, or dried fruit and nuts. Use it at family parties, at birthdays or simply as part of a relaxed outdoor courtyard meal.

## MATERIALS REQUIRED

- Dremel® 7700
- Dremel Engraving Cutter 106, 111 and 107
- Wooden dish
- Damp cloth

## DIFFICULTY RATING



STEP 1

### STEP 1

Measure the diameter of your dish and divide it into equal squares. Cut squares of paper and stick onto the bowl's rim with masking tape to mark off your square. Using the Dremel 7700 and engraving cutter 107 make a random dot pattern.



STEP 2

### STEP 2

Move the squares to mark up your next square. Decorate that square with wavy lines and dots using engraver cutters 111 and 106. Blow off the dust as before.



STEP 3

### STEP 3

Move squares on again and decorate with lines.



STEP 4

### STEP 4

Continue until the entire rim is decorated. Wipe the surface with a damp cloth.



# JAPANESE CHERRY BLOSSOM CUSHIONS

Create some lovely cherry blossom cushions to brighten up your sofa. Add a Japanese screen behind it or place a vase of cherry blossom on your coffee table, along with some cherry blossom room fragrance perfume sticks and you'll evoke the beauty of a Japanese garden. What could be nicer?

## MATERIALS REQUIRED

- Dremel® VersaTip™ with soldering tip
- Dremel® Glue Gun with 7mm clear glue
- White and pink organza fabric\*
- Brown strung sequins
- Green non-fray fabric such as faux suede or felt, or green sequins
- Clear hot fix gems
- Cushion pads with silk covers

*\*Fabric must be man-made fibre only*

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Cut out blossom (flower) shapes from the organza fabric using the Dremel VersaTip with the soldering tip. If using thicker fabrics, use the VersaTip hot cutting knife.

### STEP 2

To create the individual blossoms, place three organza flowers on top of each other, then pinch them all together in the centre. Touch the point on the back of the flowers with the VersaTip and the soldering tip attachment to fuse them into one blossom.

### STEP 3

Use the Dremel Glue Gun with clear glue to stick the strung brown sequins onto the cushion cover to form the branches, planning the design carefully first if you want it to run across a number of cushions.

### STEP 4

Cut out leaf shapes from green fabric and use the Dremel Glue Gun to glue the leaves and blossom in place as shown. Alternatively, you could create leaves using lime green sequins. Add some sparkle to your cushions by using the Dremel VersaTip to apply the hot fix gems to suggest blossom buds or more flower-shaped blossoms, if you prefer.



STEP 3



STEP 4





# MAKE YOUR OWN WINDCHIMES

Why not take some time out and make these pretty metal windchimes for your home? The charming tinkling sounds that these windchimes make will really add to the atmosphere of any home or garden at any time of year.

## MATERIALS REQUIRED

- Dremel® 300 Series with Engraver Cutter 107 and Drill Bit Set 628
- Thin sheet of metal
- Tracing paper
- EVA foam or pad of newspapers
- Strong cotton
- Beads
- Mobile hanger
- Metal wind chimes

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Draw an egg and heart shape, each about 6.5cm high on tracing paper. Draw dots on the egg and swirls on the heart. Then tape a sheet of metal onto a pad of EVA foam or a wad of newspapers. Next, tape the tracing paper with your designs over the metal. Draw over the design with a ballpoint pen. You'll need to mark out one egg shape and four hearts.

### STEP 2

Remove the tracing paper. Set the Dremel 300 Series fitted with a carbide engraving point on speed 1. Hold as upright as possible and go over the designs on the metal. We suggest practising on a scrap of metal first. You'll soon be able to gauge the correct pressure to use. Then, cut out the eggs and hearts using the Dremel 300 Series fitted with the engraving cutter and pierce a hole through the top and bottom of each one using one of the drill bits.

### STEP 3

Start by threading and knotting strong cotton to three of your cut out eggs and heart windchimes. Thread a couple of beads onto each length of cotton. Thread and knot one of the lengths to the bottom of the egg and the remaining two lengths to the bottom of the hearts. Thread and knot cotton through the top of the egg and hearts, then thread with a few beads and tie to a mobile hanger. Thread the remaining hearts with cotton and again tie to the mobile hanger.







# STUNNING FLOWER-FILLED WINDOWBOX

Make your balcony, window ledge, terrace or patio the place where your home greets the sun with a gorgeous flower-filled windowbox. Simply buy the items listed below to carve and decorate it and follow our instructions. Then plant your windowbox with flowers and enjoy the beauty of your unique celebration.

## MATERIALS REQUIRED

- Dremel® 7700 with Multi-Chuck 4486, Engraving cutter 111, Tungsten Carbide Cutter 9905, Fine Grit Sanding Bands 432, SpeedClic™ Mandrel SC402, SpeedClic™ Abrasive Brushes 511S/512
- Wooden windowbox
- Exterior paint
- Gold 'size' and silver metal leaf
- Exterior varnish

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Mark out your design onto a piece of paper and then trace this onto the centre of one of the side panels of the windowbox in pen. Then, take your Dremel 7700 and attach the Multi-Chuck and the Engraving Cutter to carve the outline of your design into the wood.

### STEP 2

Then, remove the Engraving Cutter and insert the Dremel Tungsten Carbide Cutter to gauge out and remove the wood from within the lines of your design.

### STEP 3

Once this is done, remove the Tungsten Carbide Cutter and insert the Dremel Fine Grit Sanding Band 432 and smooth down any rough edges to your design. For detailed smooth sanding, where you need to be careful of the delicate nature of your project, use the SpeedClic Mandrel and Abrasive Brushes. These adjust to the outlines of your design and are useful when the sanding bands may be a little too aggressive or the design is too delicate for the sanding bands to be able to get into all the nooks and crannies.



STEP 3

### STEP 4

Using a suitable roller, paint the planter and allow it to dry thoroughly. Following the manufacturers instructions, apply gold 'size' to the carved motif, then gild the carved area with silver metal leaf to create an elegant look worthy of any season.

Finally, protect your planter with a couple of coats of exterior varnish.



STEP 4



# PHOTO FRAME

Photographs are a wonderful way of holding onto precious memories, so why not make a pretty accessorised photo frame to hold a family photograph. Gift it to the person concerned, or simply display it in your home with pride!

## MATERIALS REQUIRED

- Dremel® Glue Gun 930 and 7mm clear glue
- Photo frame with flat surface (either wood, leather or fabric)
- Flowers or other suitable embellishments
- Buttons

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

First of all, select a frame with a flat surface. We've used an 18cm x 13cm wood frame but a leather or fabric frame in just about any size would be suitable as well. Simply adapt the number of flowers used for decoration according to the size of your frame. Start the project by using the Dremel Glue Gun and clear glue to fix a flower or embellishment of your choice in each corner of the frame.

Using a Dremel Glue Gun means that you can create your photo frame with minimum mess and fuss. It offers high quality and insightful product design and its advanced features make at home projects easy and fun.

### STEP 2

Next, position a flower or embellishment in the centre of each side and glue in place.

### STEP 3

Glue two more flowers at the top and bottom of the frame and four more flowers at the sides. Glue a button in the middle of alternate flowers.

If you are gifting it, why not put in a lovely photo of the person you are giving it to or the two of you together so it can take pride of place on their mantlepiece, by their bed or on their desk at work.





# PAINTED TERRACOTTA POTS

Gather together a wonderful collection of pretty flowering and small green plants for your sunny courtyard, roof terrace, deck or patio. Then, simply take your trusty Dremel® 300 Series and create stunning painted terracotta pots in which to display them!

## MATERIALS REQUIRED

- Dremel® 300 Series and Diamond Wheel Point 7105
- Terracotta pots
- Emulsion paints in pastel colours
- Pencil
- Paintbrush

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Paint the pot, using two coats of paint if necessary, and leave to dry completely.

### STEP 2

Draw your design onto the pot using the pencil. Try to keep the lines quite faint. Use an eraser to remove any mistakes.

### STEP 3

Follow the pencil lines on the pot using the Dremel 300 Series with the Dremel Diamond Wheel Point. It is a good idea to practise on a spare pot (or use the base) before you start the final design. Brush off any dust with a soft, dry paintbrush and fill with small stones, soil and pretty flowering plants – perfect for a small courtyard or a patio, roof deck or terrace!





# ORGANZA CHERRY BLOSSOM

Bring a breath of ethereal beauty into your home with a pretty display of organza cherry blossoms on twigs in a clear crystal vase. Simply buy the items listed below and follow our instructions. Then show off your vase of beautiful blossoms by standing them in your living room to delight your family and friends.

## MATERIALS REQUIRED

- Dremel® VersaTip™
  - Dremel® Glue Gun
  - Organza fabric in shades of pink and white\*
  - Natural twigs
  - Or twigs with LED lights
- \*Use man-made fibre only*

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Cut out blossom (flower) shapes from the organza fabric using the Dremel VersaTip with the soldering tip. If using thicker fabrics, use the VersaTip with the cutting knife.

### STEP 2

To create the individual blossoms, place three organza flowers over each other, then pinch them all together in the centre and touch the point on the back of the flowers with the VersaTip and the soldering tip to fuse them into one blossom.

### STEP 3

Then, simply stick them onto the twigs using the Dremel Glue Gun.



STEP 3



M  
A  
R  
T  
I  
A





# DECORATED LETTERS

Spell out the letters of your little girl or boy's name in gorgeous colours using clever embossing, stenciling, woodburning and glitterglue techniques. Your child will love this personal touch to their bedroom whether you stand the letters on their mantelpiece for a birthday surprise or fix them on the back of their door adding hooks for clothes.

## MATERIALS REQUIRED

- Dremel® VersaTip™
- Dremel® Glue Gun and glittersticks GG04
- Embossing pen and powders
- Stencils
- Flat-back gems in assorted shapes and sizes
- Star-shape sequins
- Wooden letters painted in different shades

## DIFFICULTY RATING



STEP 1

### STEP 1

Take the first wooden letter and use an embossing pen to mark a star shape through a stencil towards the upper left corner. Sprinkle embossing powder over the shape quickly, then heat it using the Dremel VersaTip and hot blower head to fuse the powder and emboss your design using the lowest heat setting on the tool. Repeat with different star and spiral shapes using the picture as a guide for colour and positioning.

### DREMEL TIP

Use a fine paintbrush to remove any stray specks of embossing powder carefully before you heat it.



STEP 2

### STEP 2

On the right of the same letter, run trails of glitterglue across the surface using the Dremel Glue Gun fitted with a glitterstick. As you work, push several flat-backed gems onto the letter, embedding them into the glue before it dries. Carefully peel up trails of glue that extend over the edge of the letter and trim them off so that the edges remain free of decoration. Continue to add extra detail by decorating the embossed shapes with sequins and flat-backed gems.



STEP 3

### STEP 3

Finally, use the VersaTip fitted with the wood-burning tip to burn small dots or flower shapes into the surface of the letter, scattering them between the embossed stars, as shown. Carry on using these techniques to decorate the surfaces of all the letters of your child's name.





# ENGRAVED SCENTED CANDLE

To create this lovely engraved scented candle, you will need a Dremel® Engraver. A light and compact specialist tool, it lets you engrave or decorate a wide variety of materials including metal, plastic, glass, ceramic, wood and leather and is ideal for making any number of gifts.

## MATERIALS REQUIRED

- Dremel® Engraver with its Carbide Engraving Point 9924
- A candle
- Tracing paper
- Thick needle
- Candle paint

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

To make this beautiful gift, measure the height and circumference of a candle. Our candle measures 8cm high x 8cm diameter. Draw the measurement on paper, cut it to size and then draw a simple design on the paper. This could be traced from some stylish wrapping paper or adapted from a fabric design, or wallpaper. When your drawing is complete; tape the paper round the candle.

### STEP 2

Use a thick needle to pierce the design and then remove the paper pattern.

### STEP 3

Now set the Dremel Engraver on speed 1. This lightweight tool is so simple to use even for beginners. Make sure that you hold the tool as upright as possible, place the tip in position and engrave the design. There's no need to press hard, just imagine you're drawing over the candle with a pencil. Remove excess wax by rubbing the surface of the candle gently with a kitchen roll or tissue. Finally, use candle paint to decorate the engraved pattern.





# COCKTAIL RING

Create a glamorous cocktail ring and sparkle the night away. If you want to make your own jewellery, follow our instructions and find a specialist jewellery-making shop or online site. Once you get the hang of it, it'll be a satisfying hobby you'll never want to give up. Your unique pieces of jewellery will be the envy of your friends!

## MATERIALS REQUIRED

- Dremel® 7700
- Dremel® VersaFlame™
- Dremel SpeedClic™ mandrel SC402
- Dremel SpeedClic™ polishing wheel 423S
- Dremel polishing compound 421
- Adjustable shank
- X easy solder paste
- Cubic zirconia stones 3, 4, 5mm
- 2cm round cookie cutter
- Firing block
- Heat resistant tweezers
- Binding wire
- Small ball
- Precious Metal Clay

## DIFFICULTY RATING



STEP 1

### STEP 1

Use a 2cm cookie cutter to cut out a circle from a rolled out piece of precious metal clay. Press in the cubic zirconia stones and place the disc over a small ball to form a dome, flatten the back of the dome for soldering. Once completely dry, fire the piece with the Dremel VersaFlame.

### DREMEL TIP

Apply a light coating to anything that will touch the precious metal clay to prevent the clay sticking.



STEP 2

### STEP 2

Apply a small blob of solder paste to the shank, bind the dome and shank together with wire and use the Dremel VersaFlame to solder the joint.

### STEP 3

Use the Dremel 7700 with SpeedClic Mandrel SC402 and SpeedClic Polishing Wheel 423S to polish the ring to a shine.



STEP 3





# GEOMETRIC PEARL EARRINGS

Create romantic geometric pearl earrings and be the belle of the ball. Glamorous by day with jeans or dressed up for the glitziest red carpet occasion by night. Making these beautiful earrings will bring you pleasure and admiration from everyone who sees them. Simply buy the items listed opposite and follow our instructions.

## MATERIALS REQUIRED

- Dremel® 300 Series, Dremel® Engraver
- Dremel attachments: Dremel Flexshaft 225 and Dremel Project Table
- Dremel accessories: Dremel Cut Off Wheels 409, Aluminium Oxide Grinding Stone 952. Multi Chuck 4486, Drill Bit Set 628, SpeedClic™ Polishing Wheel 423S and Polishing Compound 421, SpeedClic™ Mandrel SC402
- Sheet of 0.5mm silver
- Two earring hooks
- Two large pearls
- Two head pins

## DIFFICULTY RATING



STEP 1

### STEP 1

Draw the shape of the earring onto a sheet of 0.5mm silver. Using a Dremel Clamp, secure the silver to the Dremel Project Table. Use the Dremel 300 Series multitool together with the Dremel Flexshaft for more precise engraving. Attach the cut-off wheels to the mandrel and cut the earrings out. Afterwards, de-burr any rough edges with the Dremel Aluminium Oxide Grinding Stone.

#### DREMEL TIP

By using the Dremel Multi Chuck 4486 with the 300 Series you can change your accessories faster.



STEP 2

### STEP 2

Clamp a piece of wood onto the Dremel Project Table and secure the earring with tape. Use a punch and hammer to mark the points to be drilled. Use the Dremel 300, multi chuck and the 1.2mm drill bit fitted to the Dremel Flexshaft to drill the holes in the earrings, top and bottom. In the centre, drill three holes.

### STEP 3

Engrave a pattern on the earring with the Dremel Engraver and Diamond Engraving Tip 9929. Use the Dremel 300 Series, SpeedClic Mandrel SC402, the SpeedClic Polishing Wheel 423S and Polishing Compound 421 to clean and polish the earrings. Attach the earring hooks to the earrings and thread the pearls onto head pins, cut away the excess metal and bend the end into a loop with pliers. Thread the pearl onto the earring.



STEP 3







# RECYCLED BRACELET

Save the world and create a funky piece of jewellery at the same time. Did you know that you can recycle things from around your house to create your own unique jewellery? Search your tool box or kitchen draw and turn safety pins, washers, copper wire – even small coins into amazing pieces of jewellery.

## MATERIALS REQUIRED

- Dremel® Engraver with Diamond Engraving Tip 9929
- Dremel® 300 Series with Dremel® Flexshaft 225
- Dremel accessories: Cut Off Wheels 409, Multi Chuck 4486 and Mandrel 402
- Length of jeweller's wire
- Jeweller's ring mandrel
- Lengths of copper wire
- Jump rings
- Clasp
- Safety pin
- Washers
- Clear beads
- Paper clips
- Pair of half round nosed pliers

## DIFFICULTY RATING



STEP 1

### STEP 1

Cut a length of wire and wrap it around a jeweller's ring mandrel three times to create neat circles. Then make six more circles. Cut lengths of copper wire and wrap them evenly and tightly around the circles.

### STEP 2

Link the wire circles together using the jump rings and attach the clasp. Lay a piece of wood on the Dremel Project Table and clamp a safety pin to the wood. Use the Dremel 300 and attach to the end of the Dremel Flexshaft 225 for more precise cutting. Use the cut off wheels, multi-chuck and mandrel to cut the sharp tip off a safety pin.



STEP 2

### STEP 3

Engrave a simple pattern onto the washers using the Dremel Engraver with the Diamond Engraving Tip and hang the washers from the bracelet via copper wire. Thread clear beads onto the safety pins and paper clips. Use a pair of half round nosed pliers to bend them into shapes with a loop for hanging.



STEP 3





# STATEMENT NECKLACE

A statement necklace is the height of on-trend jewellery right now. And this one is unique. Creating your own pieces of jewellery will make you the envy of your friends. And it could be the start of your own business once their orders start flooding in!

## MATERIALS REQUIRED

- Dremel® Engraver with Diamond Engraving Tip 9929
- Dremel® VersaFlame™
- Dremel® 7700 with SpeedClic™ Mandrel SC402, Dremel Polishing Wheel 423S and compound 421
- Length of cord
- Glass beads
- Necklet ends
- Jump rings
- Toggle clasp
- Precious metal clay (PMC)
- Head pin
- Pair of pliers

## DIFFICULTY RATING



STEP 1

### STEP 1

Cut a long length of cord and start to thread on the beads. Tie a knot before and after each bead has been threaded to hold it in place. Keep threading on the beads until the desired length has been achieved. Then, add the necklet ends, jump rings and toggle clasp.

### STEP 2

Roll out the PMC and form it over a bead to create a decorative bead cap. Allow for the clay to shrink a little. Once it has completely dried out, fire the clay using the Dremel VersaFlame.

### DREMEL TIP

Apply a light coating to anything that will touch the precious metal clay to prevent the clay sticking.



STEP 2

### STEP 3

Use the Dremel Engraver and Diamond Engraving Tip 9929 to add a scroll design over the silver bead cap. Polish the bead cap using the Dremel 7700 together with the Dremel SpeedClic Mandrel SC402 and Polishing Wheel 423S. By applying some Dremel Polishing Compound 421 during the process, you will achieve the best finish. Thread the bead onto the head pin, then the bead cap over the bead. Bend the end of the head pin into a loop with the pliers and attach it to the centre of the necklace.



STEP 3





# WOODEN BEAD EARRINGS

Take your Dremel® VersaTip™ and Dremel® 7700 and create some gorgeous wooden bead earrings. Wear with jeans or something smarter and wait for the admiring comments to start. Uniquely yours, your friends will be asking you to make them some too!

## MATERIALS REQUIRED

- Dremel® VersaTip™
- Dremel® 7700 with Diamond Engraver Point 7103
- Plain wooden beads in different shapes and sizes
- Silver jewellery wire
- Earring fixings (two for each pair of earrings)
- Scissors

## DIFFICULTY RATING



STEP 1

### STEP 1

Using the Dremel VersaTip with its soldering tip, draw straight lines and dots onto plain wooden beads. Practise on spare beads, trying different patterns and designs.



STEP 2

### STEP 3

Cut a length of wire about 30cm (12") long and fold it in half. Thread this through the beads and twist around the earring fixings securely and trim the ends neatly.



STEP 3

### STEP 2

To decorate the painted beads, hold the bead in the Dremel Clamp, then use the Dremel 7700 and gently press the tip onto the bead to make small spots.





# BIRTHDAY PHOTOGRAPH ALBUM

Take your Dremel® Glue Gun and glittersticks and create a beautiful personalized birthday album cover. Leave the insides blank or fill with photographs of your friend or family member who's having the birthday, writing a caption underneath to remind them where they were when they had the photographs taken. Then have fun looking at it together!

## MATERIALS REQUIRED

- Dremel® Glue Gun 930
- Dremel 7mm Glittersticks GG04 and 7mm clear glue GG02
- Plain photograph album
- Gold, silver and white card
- Gold crepe paper
- Pinking shears

## DIFFICULTY RATING



STEP 1

### STEP 1

Cut a bird shape from white card like ours, as shown. Then, using pinking shears, cut a strip of card and stick a piece of it on the neck and near the tail of the bird using the Dremel Glue Gun and clear glue. Use our picture as a guide. Add spots all over the bird using the Glue Gun and glittersticks.

### STEP 2

Cut two small strips of crepe paper, pleat them slightly and glue them onto the back of the bird at the head and tail, as shown, using the clear glue. Glue a sequin for the eye and wavy lines along the neck and tail using glitter glue in a contrasting colour. Make a paper wing, cut out and glue in place.



STEP 2

### STEP 3

Measure and cut a rectangle of patterned paper 15cm by 11.5cm and make dots on it using the Dremel Glue Gun and glittersticks.

### STEP 4

Finally, cut a rectangle of gold card measuring 16cm by 13cm using the pinking shears. Using your Dremel Glue Gun and clear glue, stick this onto the front of the album, affixing the decorated card in the middle of it with the bird on top – and your album cover is complete!



STEP 3



STEP 4





# WEDDING PRESENT: CHAMPAGNE FLUTES

Customise a pair of champagne flutes for the bride and bridegroom to toast each other. Take your Dremel® Engraver and draw the initial letter of their first name onto each glass and encrust the stems with clear sparkling gems. It will make a unique personalised gift that they will treasure!

## MATERIALS REQUIRED

- Dremel® Engraver
- Diamond Engraver Tip 9929
- Champagne flutes
- Paper
- Pen
- Tape
- Swarovski crystals and glass beads or similar

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Draw a letter onto paper or print out letters using a computer. Tape the letter that you are using inside the flute. Using the Dremel Engraver with its replaceable Carbide Engraving Point, carefully engrave the outline of the letter onto the flute.

### STEP 2

Remove the paper letter from inside the flute. Using the side of the Carbide Engraving Point, fill in the outline. Blow off the dust as you work. It's essential to wear safety goggles to stop glass dust going into your eyes.

### STEP 3

Cut out an oval from paper and stick inside to use as an etching guide to form the border. Engrave the outline oval as before.

### STEP 4

Glue, glass or Swarovski crystal beads onto the stem of the flute with special glue which bonds glass to glass.



STEP 3



STEP 4



# NEW BABY'S CRIB MOBILE

Use your Dremel® 7700 Multitool and Dremel® Glue Gun to create a charming mobile to hang over a new baby's crib. A lovely gift for a friend or family member who's just become a new mum!

## MATERIALS REQUIRED

- Dremel® 7700, SpeedClic™ Mandrel SC402, SpeedClic™ Wood Cutting Wheel SC544, Sanding Drum 407, Sanding Band 408, Spiral Cutting Bit 561
- Dremel® Glue Gun 930 and 7mm clear glue sticks GG02
- Balsa wood
- Paint and paintbrush
- Patterned paper
- Scissors
- Nylon cord
- Ribbons

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Draw three flower shapes onto balsa wood. Cut the flower shapes out using the Dremel 7700 with the SpeedClic Mandrel and the Wood Cutting Wheel and hold steady using the Dremel Project Table. Then, sand the edges using the Dremel Sanding Drum and Sanding Band. Cut a hole in the top of each one to hang, using the Dremel Spiral Cutting Bit.

### STEP 2

Paint the flowers on both sides with the paint using two coats if necessary. Leave to dry completely.

### STEP 3

Cut out one circle of patterned paper for each flower and stick onto one side of each flower with the Dremel Glue Gun. Cut two circles of blue paper and glue to the other side of the flower to make eyes and then paint a pale green smile to complete the face.

### STEP 4

Put nylon thread through the holes in the flowers and secure with a knot. Tie short lengths of ribbon onto the thread to decorate. Take a child's coathanger and tie to the middle and at each end. Cover the rest of the coathanger with ribbon bows. Hang securely above the crib.



STEP 3



STEP 4



# CHILD'S WOODEN BUTTERFLY HANGING

Create a wooden butterfly hanging and loop it over the end of a bed or hang it from the ceiling as a mobile. Let your children have fun helping to paint and decorate the butterflies with you, supervising them for their safety. It's a good way to amuse your little ones for the afternoon!

## MATERIALS REQUIRED

- Dremel® 300 Series
- Dremel accessories: Dremel Multi Chuck 4486, Dremel Spiral Cutting Bit 561, SpeedClic™ Mandrel SC402, SpeedClic™ Abrasive Buff (511S or 512S), Dremel Precision Drill Bit Set 628
- Dremel® VersaTip™ hot knife and hot blower head
- 3mm thick wood or MDF
- Safe paint for kids
- Cord
- Small coloured beads

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Draw the outline of the butterfly design onto a piece of paper, then cut out and trace around the edges onto pieces of light wood or MDF. Draw a large butterfly, and two smaller butterflies, or choose your own design. Take your Dremel 300 Series, attach the Dremel Multi Chuck, select a Dremel Spiral Cutting Bit and cut out the butterfly shapes from the wood.

### STEP 2

Smooth the edges of the cut out shapes using the Dremel 300 Series fitted with the SpeedClic Mandrel and a SpeedClic Abrasive Buff, as shown. Drill holes slightly larger than the thickness of the cord through the top and bottom of each butterfly using the Dremel 300 Series fitted with the Dremel Multi Chuck and the appropriate sized drill bit from the Dremel Precision Drill Bit Set.

### STEP 3

Paint the butterflies in bright colours and allow them to dry thoroughly. Use an embossing pen to outline and fill in some of the painted areas and sprinkle on embossing powder. Tap off the excess powder, then use the Dremel VersaTip with hot blower head to heat and fuse the powder. Decorate other areas of the butterflies with the Dremel VersaTip fitted with the hot knife woodburning tip.

### STEP 4

Join the butterflies together using the cord, forming a hanging loop above the large butterfly. Thread a few small beads onto the cord below the smallest butterfly and tie a secure knot.



STEP 3



STEP 4





# DECORATE A TEEPEE

Whether you call it a teepee, wigwam or tipi... this North American Indian tent is a wonderful place for your children to play, have sleepovers with their friends or simply have some fun! Surprise your children with a wonderful gift that will bring laughter and joy throughout the year.

## MATERIALS REQUIRED

- Dremel® VersaTip™ with woodburning tip
- Dremel 7700 with Diamond Wheel Point 7103
- Dremel® Glue Gun 930, 7mm glue sticks GG02 and glittersticks GG04
- Teepee/wigwam
- Wooden curtain rings (larger than the diameter of the teepee poles)
- Feathers, sequin strings and faux leather thong
- Mirror and metal discs
- Wood beads, including flat disc-shaped beads

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Use the Dremel Glue Gun to stick strung sequins in two equidistant lines around your teepee. Measure up from the lower edge of the canvas and mark a feint line in pencil to keep the lines straight. Use the Dremel Glue Gun and a glitterstick to create a sparkling zigzag line in-between the two lines of sequins. Decorate a plain canvas teepee with several rows of sequins and zigzags.

### STEP 2

To make the windcatchers, first burn designs into the wooden curtain rings and wooden beads using your Dremel VersaTip with the woodburning tip.

### STEP 3

Engrave icons and patterns on the mirror and metal discs freehand using the Dremel 7700 with the diamond wheel point. Repeat the process on the flat wood beads.

### STEP 4

Loop a faux leather thong through a curtain ring, then using the photo of this step as a guide, thread on different beads. Push feathers into the holes of some of the larger beads and secure the quills with a dab of glue from the Dremel Glue Gun fitted with a glue gun stick. Use more glue to secure the mirror and metal discs back-to-back, sandwiching the thong in-between. Join an extra thong on, where necessary, to end up with windcatchers that are approximately the height of the teepee. Make several of these, spacing the different components randomly down the thongs. Erect the teepee, sliding the curtain rings over the tops of the poles, then wait to see your children's faces light up!



STEP 3



STEP 4





# CREATE YOUR OWN PUPPET SHOW

Let your children's imaginations run wild staging wonderful plays in a special puppet theatre. It's sure to bring out the acting, staging and singing talents in your little ones – you have been warned!

## STEP 1

Draw the body and head shapes of your Princess and Dragon puppets onto 15mm wood, the feet onto 12mm wood and the hands onto 6mm wood, then cut them out freehand using the Dremel 300 Series with the Dremel Multi Chuck and a Dremel Spiral Cutting Bit. Use our template at the back of the book to help you.

## STEP 2

Using the picture of this step as a guide, use your Dremel 300 Series to cut out all the shapes from the flat wood. Cut the different diameter dowels to size for the limbs and neck using the Dremel 300 Series with the SpeedClic Mandrel and the SpeedClic Wood Cutting Disc.

## STEP 3

Shape the body sections and round off all the edges using the Dremel 300 Series with the Dremel High Speed Cutter. Once you have shaped and contoured the sections, smooth them using the Dremel 300 Series fitted with the SpeedClic Abrasive Buffs. Using your Dremel 300 Series with the Dremel Multi Chuck fitted with the right size of Dremel Precision Drill Bit from the set (628), drill an 8mm hole in the base of the head and insert the short length of dowel for the neck. Use the Dremel Glue Gun to glue the dowel into place.

## STEP 4

Use the Dremel 300 Series fitted with the Multi Chuck and an appropriate sized drill bit from the Dremel Precision Drill Bit Set to drill small holes at points where the limbs, body and head sections are to be joined. Use pliers to open a screw eye

opposite a closed one, so that they can be linked together at the joints. Use the pliers to close up the opened screw eye to complete the joint. Drill a hole and insert a screw eye on the top of the head. Drill larger holes to insert small sections of wooden kebab sticks into the Dragon's head for the horns.

## STEP 5

Make a cross-shaped controller from two pieces of 12mm wood. Work a cross-halving joint in the centre of each length (as shown below) and glue them together in the centre using the Dremel Glue Gun.

## STEP 6

Using the Dremel 300 Series, Multi Chuck and Precision Drill Bit Set, drill holes large enough for the cord to pass vertically through the end of three of the spokes. Tie a length of cord to the screw eye on top of the puppet's head, then pass the other end through the vertical hole opposite the horizontal hole and finish it with a secure knot. String the hands with one continuous length of cord, passing it through the horizontal hole and tie it securely at each wrist. Use the two remaining vertical holes to string each leg, tying secure knots at the ankle and on the top of the cross-shaped controller.



## MATERIALS REQUIRED

- Dremel® Glue Gun, Dremel® VersaTip™ and Dremel® 300 Series
- Dremel accessories: Spiral Cutting Bit 561, Multi Chuck 4486, SpeedClic™ Woodcutting Wheel SC544 and SpeedClic Mandrel SC402, SpeedClic Abrasive Buffs 511S /512S, High Speed Cutter 117, Precision Drill Bit 628
- Small screw eyes
- Fine cord
- Wood: 15mm, 12mm, 6mm for the body, feet and hands, 12mm wood for the cross controller
- Dowel, 20mm, 18mm, 15mm, 12mm and 8mm for the limbs and neck
- Hot fix stones

## DIFFICULTY RATING



## STEP 7

Finally, paint and dress your puppets using fabric and felt, wool for hair and beads. Decorate the Dragon puppet with scales and eyes by means of hot fix stones using your Dremel VersaTip using your Dremel Glue Gun. To colour and dress your characters you will need appropriate materials that could include: paint, fabric and felt, wool, beads, hot fix stones.

## DREMEL TIP

It can be easier to string your puppet after you have dressed it.





# MAKE YOUR OWN FAMILY KITE

There's so much fun to be had in the park or on a beach for all the family. With your own specially-made kite to fly, you are guaranteed to be nominated the 'best parent in the world'! Bring fun and laughter to your family days out!

## STEP 1

Use the Dremel 300 Series fitted with the SpeedClic Mandrel SC402 and the SpeedClic Wood Cutting Wheel SC544 to cut the basswood strip into three 61cm lengths. Use the same cutting blade to cut a 1cm long slot centrally at each end of the strips. Smooth the ends of the strips and the slots using the SpeedClic Fine Abrasive Buff 512S. Stack the three strips together and mark the centre point on the uppermost strip. Fit the Dremel Multi Chuck 4486 and a Dremel Precision Drill Bit 628, slightly larger than the diameter of the parcel string, into the Dremel 300 Series. Holding the three strips together, drill a hole through all three strips at the point marked. Thread the end of a 61cm long piece of parcel string through the holes drilled in the stack of strips and knot it securely on the underside. Spread the strips apart to create the struts, spacing them equally. Wrap a continuous length of parcel string through the slots and around the struts to make a hexagonal-shaped frame to cover with the Mulberry paper. Knot the ends of the string together securely to complete the frame.

## STEP 2

To make the bridle to help hold the kite when it's in the air, use the Dremel 300 Series with the Multi Chuck and Precision Drill Bit to drill a small hole approximately half a centimetre in from the end of the slot in two adjacent struts. Cut a 122cm length of parcel string and fold it in half, then loop it through the plastic ring. Thread the

ends through the holes drilled, forming knots on the underside, then tie the loose end of the centre string firmly onto the plastic ring. This will create a three-legged bridle. To make a loop for tying the tail to, drill two more holes in the opposite ends of the same struts and thread the ends of a 61cm length of string through them, knotting them on the underside as before.

## STEP 3

Lay the frame down on the Mulberry paper and mark around the outside of the string frame with a pencil. Cut it out approximately 12mm beyond the line marked. Stamp motifs on one side of the paper using embossing fluid, then sprinkle them with embossing powder. Shake off the excess powder, then fuse it using the Dremel VersaTip fitted with the hot blower head.

## STEP 4

Lay the decorated paper face down and reposition the frame on top. Make angled cuts in towards each strut so that the paper can be folded in over the string frame. Use the Dremel Glue Gun and glue stick to apply a line of glue inside the string in-between each strut. Fold the paper in to cover the string and strengthen the edge of the frame. Work on opposite sides each time to ensure the covering remains centred. Finish by gluing the paper around the tip of each strut. Secure the struts by applying a little glue in-between each one at the central point, then secure the covering to the frame with a dab of glue halfway along each strut.

## MATERIALS REQUIRED

- Dremel® 300 Series and Dremel® VersaTip™
- Accessories: SpeedClic™ Mandrel SC402, SpeedClic™ Wood Cutting Wheel SC544, SpeedClic™ Fine Abrasive Buff 512S, Multi Chuck 4486, Precision Drill Bit S628
- Dremel Glue Gun 930 with clear 7mm gluesticks GG02
- Basswood strip, 2mm thick x 1.3cm wide to make the frame
- Mulberry paper for the frame covering
- Mulberry and crepe paper for the tail bows
- Fine parcel string and small plastic ring
- Stamp, embossing pad and embossing powder

## DIFFICULTY RATING



## STEP 5

Make a tail for the kite by cutting Mulberry and crepe paper into strips approximately 3 x 14cm. Twist the paper strips in the centre and use the Dremel Glue Gun to glue them onto a 3m length of parcel string, spacing them approximately 6cm apart. Tie the tail onto the lower loop on the frame. Tie a kite line with a handle to steer the kite when it's in the air onto the plastic ring of the bridle, or tie on a long length of nylon cord with a length of dowel for a handle, then you are ready to go and fly your kite with your family!



# CUSTOMISE KIDS' T-SHIRTS

Need a little help keeping the kids amused? Get them to help customise their t-shirts and create some really fun and unique disposable fashion. We're giving you three designs made using hot fix stones in great patterns. Your kids are guaranteed to sparkle!

## MATERIALS REQUIRED

- Dremel® VersaTip™ with hot blower head and soldering tip
- Basic t-shirts
- Masses of hot fix stones in different sizes
- Fabric marker pen
- Paper
- Pins
- Fabric paint
- Foam brush

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Draw your design onto paper, cut it out and pin it into position onto the front of the t-shirt. Outline your design using a fabric marker pen, then remove the template and add any details within the shape that your design requires. For example, on one t-shirt draw a sandcastle with turrets and windows, on the second, draw a shoal of fish leaping from the sea, on the third, draw a bikini on top of the t-shirt. Or draw a shell, or the sun, or choose a design of your own.

### STEP 2

Using fabric paint, dab colour within the outlined shape using a foam brush. Follow the instructions provided on the fabric paint to fix the fabric dyes.

### STEP 3

Then start, carefully, placing the hot fix stones onto your design. When you are ready, take your Dremel VersaTip with the hot blower head and hold over each stone to fix them in place. Use the Dremel VersaTip with soldering tip to fix the smaller stones to avoid burning the t-shirt fabric. Build up your design with more and more hot fix stones until you have finished your sparkling design.

The Dremel VersaTip is a cordless six-in-one heat tool. It's great for heat embossing, hot fix stone decoration, soldering, melting, shrinking, pyrography (woodburning) and hot cutting. It's the only heat tool that combines a multitude of applications in one tool, thanks to its ability to use six interchangeable tips.

### STEP 4

Stand back and admire all three of the finished t-shirts that you and your children have created. There'll be no shortage of takers for these creative gems!



STEP 3



STEP 4





# SNOWFLAKE WINDOW

Show your street just how much you love the Winter with a beautiful, lit, window that's just as gorgeous seen from the outside of your house, as inside your living room. Taking this Winter's trend colours of silver, gold, black and white, create a snowflake and icicle window dressing that will be the talk of the town. It's simple to do but definitely has the 'WOW' factor!

## MATERIALS REQUIRED

- Dremel® 7700 with the Diamond Wheel Point 7103
- Dremel Glue Gun 930 and clear glue 7mm GG02
- Glass discs and mirror discs of different sizes
- Glass droppers/icicles
- Selection of narrow organza and satin ribbon in black, gold and silver
- Variety of gold, silver and black beads and rondelles with holes large enough to thread onto the ribbons
- Flexible beading needle
- Snowflake templates

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

First download our snowflake templates and re-size them as required, or draw your own snowflake designs to suit the different sized discs. To engrave a glass disc, place the disc over the template and secure it with a little sticky tape. Using the Dremel 7700 fitted with the diamond wheel point, engrave the snowflake motif onto the glass disc. Having outlined the shape, remove the disc from the template and lay it on a dark piece of paper so that the engraving shows up clearly. Correct any shaky or thin lines by working over them again, smoothing and thickening them as necessary. When finished, brush away any dust and buff the disc with a soft lint-free cloth.

### STEP 2

Using a fine permanent marker, draw snowflakes onto the mirror discs using the templates as a guide. Engrave the snowflakes onto the mirror discs using the Dremel 7700 fitted with the diamond wheel point. Buff the engraved mirrors as before.

### STEP 3

Use your Dremel 7700 with diamond wheel point to engrave spirals and stripes onto the glass dropper decorations.

### STEP 4

Loop fine ribbon through the hole of a glass disc or glass dropper, then thread on a few beads, sandwiched between rondelles (these are a specific type of bead).

### STEP 5

Use the Dremel Glue Gun 930 and clear glue to glue engraved mirror discs back to back above the beads, sandwiching the ends of the ribbon in-between.

### STEP 6

Thread on a glass rondelle and then another smaller bead in gold or silver and then knot the ends to complete your hanging ornament. Add foliage from your garden, twist in some twigs with LED lights, perhaps adding a little silver glitterglue and you have a Winter window that will sparkle even on the darkest days!



STEP 3



STEP 4



STEP 5





# EASTER EGG CUPS

Easter is a great chance for family to spend quality time with each other. So why not get everyone together for a family breakfast and adorn the dining table with these charming engraved egg cups that you have designed yourself?

## MATERIALS REQUIRED

- Dremel® VersaTip™
- A wooden egg cup
- Soft pencil
- Soft eraser
- Ribbon

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

To create your own personally designed egg cups, you will need the butane powered Dremel VersaTip. Use a soft pencil to draw simple heart shapes around the egg cup and draw dots around the base. As an alternative to hearts you could draw simple flowers, a geometric pattern or write the name of each member of your family on a different egg cup.

### STEP 2

Heat the Dremel VersaTip and draw dots around the base of the egg cup. You don't need to apply pressure, simply position the tip and hold in place for about a second. If the Dremel VersaTip hasn't marked the wood, leave it to heat a little longer, then repeat.

### STEP 3

Draw the hearts with the Dremel VersaTip in the same way. Finally use a soft eraser to remove any pencil lines that still show. Tie a ribbon around the base to decorate. Your lovely set of egg cups will come in handy any time family and friends get together for a special breakfast – and the personal touch you have added will bring a little magic to the table setting. Now all you have to do is learn to cook a perfect boiled egg!



STEP 3





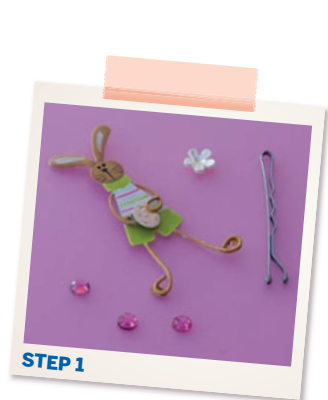
# EASTER BUNNY HAIR GRIPS

Add some flair to any little girl's outfit this Easter by making these lovely Easter Bunny hair grips – complete with sparkly gems! They are so simple to make and will be sure to become a favourite accessory for any little girl who loves to dress up and feel pretty at this special time of year.

## MATERIALS REQUIRED

- Dremel® VersaTip™
- Dremel® Glue Gun 930
- Metal hairgrip
- Metal rabbit decoration
- Flower embellishment
- and some sparkly gems

## DIFFICULTY RATING



STEP 1

### STEP 1

To make these cute Easter Bunny hairgrips, you will need the butane powered Dremel VersaTip. The ultimate in usability and performance, this tool is able to complete a variety of tasks, such as soldering, embossing and woodburning, and is an essential piece of kit for creative enthusiasts. Select a metal hairgrip, metal rabbit decoration, a flower embellishment and a few sparkly gems.

### STEP 2

Place the rabbit face down on a heatproof work surface and then place the hair grip on top. Turn the Dremel VersaTip on and using the soldering tip solder the hairgrip to the rabbit. Leave to cool.



STEP 2

### STEP 3

Turn over so that the rabbit faces up, then, use the Dremel Glue Gun 930 and 7mm clear glue to fix the flower and sparkly gems in place. These Easter Bunny themed hairgrips are so simple to make and are sure to be a hit with your little girl, niece or grand-daughter this Easter.



STEP 3





# HALLOWEEN PUMPKINS AND GOURDS

Carved Halloween pumpkins and gourds are wonderful ways to mark the festival of Halloween on the 31st October. Lit up at night either inside or outside your home, they make a splendid way to show that you are celebrating the night of ghosts and skeletons. Take your Dremel® 300 Series and create some carved pumpkins and gourds to frighten away the evil spirits.

## MATERIALS REQUIRED

- Dremel® 300 Series with High Speed Cutter 193
- Selection of pumpkins, squash and gourds
- Pencil
- Candle or nightlight

## DIFFICULTY RATING



STEP 1

### STEP 1

Using a pencil, draw the design of the face you want onto the pumpkin. Press lightly at first until you are happy with the design and then go over the lines to clearly define them.

### STEP 2

Using the Dremel 300 Series with the high speed cutter, cut around the top of the pumpkin to form a lid. Set to one side. Scoop out the seeds and some of the pumpkin's flesh with a spoon, making sure that you do not puncture the skin.



STEP 2

### STEP 3

Again take the Dremel 300 Series with the high speed cutter and carefully cut out the shapes. Work into the corners and curves carefully to ensure a neat finish. If you want to do something different to the traditional Halloween face on the pumpkin, cut moons, stars, spiders, witches on broomsticks, cats or anything else you think fits the spirit of Halloween. Be creative and have fun. Just remember that a lit pumpkin outside your house means that you are happy to give sweets to the children who come 'trick or treating'. So, remember to buy some... or else!



STEP 3

### STEP 4

Put a candle or nightlight inside the pumpkin and light to finish.



STEP 4





# HALLOWEEN MASKS

Celebrate Halloween by creating fun masks for your children to wear to their Halloween parties or when they are out 'trick or treating'. This is where children go from door to door asking for sweets and play a trick if they are not given any. Halloween originated in Ireland and is celebrated today worldwide with lots of different activities, such as, ghost tours, bonfires, costume parties, 'haunted house' tours, carving pumpkins (Jack-o'-lanterns) and reading scary stories or watching horror movies.

## MATERIALS REQUIRED

- Dremel® 7700
- SpeedClic™ Plastic Cut Off Wheels SC476, Tungsten Carbide Cutter 9931
- Dremel® Glue Gun 930, glue sticks GG02 and glittersticks GG04
- Coloured card
- Pencil
- Scissors

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Take your Dremel Glue Gun, glue sticks, glittersticks and Dremel 7700 and create some spooky excitement on the night of Halloween. To start, take newspaper fragments watered down with PVA glue and build up several layers onto the balloon surface and leave until thoroughly dry and hard.

### STEP 2

Using the Dremel 7700 with SpeedClic cut off wheels, trim around the edge of the mask.

### STEP 3

Cut out holes for the eyes using the Dremel 7700 with tungsten carbide cutter 9931.

### STEP 4

Paint the mask with gouache or acrylic paint and decorate the face using the Dremel Glue Gun and glittersticks adding paper noses, raffia hair, false eyelashes and so on until the Halloween masks are scary enough to frighten away the evil spirits of the night.



STEP 3



STEP 4







# HALLOWEEN CANDLES

Light up the darkness with some spooky designs to make your home part of this year's Halloween celebrations. Halloween or Hallowe'en... also known as Samhain, Summer's End, All Hallow's Eve, Witches Night, Lamswool, and Snap-Apple... is a holiday that is celebrated annually on the night of October 31.

## MATERIALS REQUIRED

- Dremel® 300 Series and Engraving Cutter 107
- Candles (orange and black)
- Pencil
- Paintbrush

## DIFFICULTY RATING



STEP 1

### STEP 1

Draw your design of spiders, witches, pumpkins or skulls onto a piece of paper with a pencil. Then wrap the candle in the paper and trace through to create patterns in the candle wax.



STEP 2

### STEP 2

Using the Dremel 300 Series and engraving cutter, engrave the design onto the candle wax, working slowly and steadily so that the lines are of an even depth.



STEP 3

### STEP 3

Brush the surface of the candle with a soft paintbrush to remove any excess wax and your creepy candles are born... light and place in dark corners for maximum effect!



# CHRISTMAS DOOR WREATH

Create a lovely pinecone Christmas wreath to hang on your front door to celebrate the approach of the festive season. Dab on glitter glue to give your wreath a pretty Yuletide shimmer and tie it onto your brass door furniture with brightly coloured festive ribbons.

## MATERIALS REQUIRED

- Dremel® Glue Gun 930
- 7mm clear glue sticks GG02 and glittersticks GG04
- Wreath base
- Pine cones
- Ribbon to hang the wreath
- Wired ribbon for the bow

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Take your Dremel Glue Gun 930 and insert a clear glue stick, turn it on and wait for it to heat up. Then apply glue to the bottom of a pinecone and stick it onto the wreath base. Glue cones on top and around the base, angling them slightly for an uneven look.

It is a good idea to tie a length of ribbon onto the wreath base at this stage if you want to hang the wreath to the door when it is finished.

### DREMEL TIP

Use a plastic wreath base available from florists' suppliers or try twiggy wreath bases available from flower shops and garden centres.

### STEP 2

Continue to glue pinecones onto the wreath, covering the entire surface so that it cannot be seen. Select smaller cones and glue them on top of this first layer to create a little depth.

### STEP 3

Using the Dremel glittersticks, apply small dabs of the glitter glue onto the pinecones to give them a gentle shimmer. Tie two large bows and glue them together to form a double bow. Glue this to the top of the wreath using your Dremel glue gun and clear glue.





# CHRISTMAS FUSION CRACKERS

Celebrate a clash of different cultures, epochs and art movements by creating your own Christmas Fusion Crackers. Decorate with seals made from solid-coloured glue sticks in red, blue, yellow and green. Use animal skin patterned paper as well as materials such as velvet, embossed leather, feathers and wooden beads. Each one is unique and personalised.

## MATERIALS REQUIRED

- Dremel® Glue Gun 930
- New solid-coloured Dremel glue sticks GG05, clear glue sticks 7mm GG02
- Baking parchment
- Seal
- Metallic ink pad
- Cardboard tubes from the inside of toilet rolls
- Selection of decorative foiled, flock and metallic papers
- Cracker snaps

## DIFFICULTY RATING



STEP 1

### STEP 1

To make the decorative seals, place a coloured glue stick into the Dremel Glue Gun 930. Dispense a large bead of glue onto the baking parchment and, working quickly so that the glue remains flexible, press the seal to the surface of the inkpad and then onto the bead of warm glue. Repeat to make more seals. When cool, peel baking parchment from the back of the seals.

### STEP 2

Cut decorative paper to measure 43 x 18cm. Place face down and score lines 10cm in from each short end, then fold the along the lines and glue the flaps down using the Dremel Glue Gun 930 and clear glue; this will strengthen the ends of the finished cracker. Use a small bead of glue to secure the cracker snap to the covering lengthways.

### STEP 3

Place three cardboard tubes end to end on the paper and begin to roll the covering tightly around them. Use the Dremel Glue Gun 930 with clear glue to run a thin line of glue along the edge and continue rolling to adhere the paper around the tubes.



STEP 2

### STEP 4

Pull one of the end tubes slightly away from the central tube and tie ribbon between the two tubes, gently manipulating the paper to create a 'waist' and tying a secure knot. Insert a small gift and some sequin confetti before repeating at the opposite end of the cracker. Leave the cardboard tubes in the ends while you decorate your cracker.

### STEP 5

Using the finished shot as a guide, decorate the cracker with layered paper, ribbons, trimmings and embellishments as desired. To finish, use your Dremel Glue Gun 930 fitted with a clear glue stick to glue short lengths of ribbon to the back of a prepared seal, then glue the seal in place on the finished cracker. Carefully remove the cardboard tubes from each end of the cracker.



STEP 3



STEP 4



STEP 5



# CHRISTMAS BAUBLES

Customise your own Christmas baubles this year and have uniquely beautiful decorations hanging on your tree. It's simple, fun and will get you into the Christmas spirit. Show your creativity off this Christmas and wait for the admiring comments to flow!

## MATERIALS REQUIRED

- Dremel® Glue Gun 930
- Dremel clear glue sticks GG02, glittersticks GG04 and colour sticks GG05
- Plain baubles
- Selection of ribbons and braids
- Sequins
- Small glittery gems

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Cut a length of ribbon long enough to fit around the bauble adding a little extra to overlap the ends. Turn on your Dremel Glue Gun 930 and wait for it to heat up, then using clear glue, stick the ribbon around the bauble.

### STEP 2

Cut two lengths of gold or silver braid and glue them along both edges of the ribbon onto the bauble. Alternatively, glue one strip of gold or silver braid along the middle of the ribbon and use the solid colour glue sticks to create 3D stars or other effects on the bauble.

### DREMEL TIP

Work in small sections at a time so that the glue does not dry before the ribbon has been pressed onto it.

### STEP 3

Apply dots of glue along the ribbon to decorate it, adding sequins and gems for extra embellishment. Make small dots of glue above and below the ribbon decoration for a very glittery bauble. Then hang them on your Christmas tree for a set of unique, personalised decorations!







# CARDS, TAGS AND GIFTWRAP

Wrap your gifts in strong graphic prints, in velvety black and different shades of white, with gold and silver accents for a striking effect. Stripes, grids, abstract forms and high gloss surfaces with added metallic effects bring chic to festive packages. Christmas has never been so elegant!

## MATERIALS REQUIRED

- Dremel® VersaTip™ with hot blower head and hot cutting knife
- Dremel® Glue Gun 930 with 7mm clear glue sticks GG02 and silver glitterglue sticks GG04
- Card blanks and envelopes
- Decorative printed and glitter paper
- Spray paints including metallic spray paints
- Low-tack spray adhesive
- Embossing pen and powders
- Ribbon in various widths, star sequins and gems
- Sheets of Mylar

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3



STEP 4

### STEP 1

Photocopy our templates of stars at the back of the book. Lay the sheets of Mylar over the drawing and trace around them using a permanent marker pen. Leave enough space around the motif so that the Mylar will make a mask that covers the card face completely. Using a toughened glass kitchen worktop saver, cut carefully along the lines drawn using the VersaTip fitted with the hot cutting knife. Remove the star shape from the middle of the Mylar to create a stencil.

### STEP 2

Choose the appropriate sized star stencil for your card blank and spray one side of the Mylar with a light misting of spray adhesive. Turn the stencil over and place it towards the top of a card blank, pressing it down gently. Apply the spray paint and allow the sprayed motif time to dry.

### STEP 3

Place a smaller star stencil over the sprayed motif and use the embossing pen to draw around and fill in the shape to apply a layer of embossing fluid. Remove the stencil and sprinkle

embossing powder onto the motif. Lift and gently tap to remove excess powder, using a paintbrush to remove any remaining specks. Use the VersaTip with hot blower head to melt and fuse the powder, remembering to adjust the VersaTip to a cool setting.

### STEP 4

Cut decorative paper to cover the lower half of the card face and glue it into place. Add ribbons. Finish, gluing a star sequin and gem in the centre of the star motif using your Dremel Glue Gun 930 and 7mm clear glue.



# WOODEN CHRISTMAS DECORATIONS

Make some Scandinavian-inspired wooden Christmas decorations to string over the hearth this year. They are simple to make, effective and bring an instant festive feel to the home. Get the kids involved with the painting. It's a fun, family thing to do on a wet December afternoon when the kids have broken up from school.

## MATERIALS REQUIRED

- Dremel® 7700 with hole tool and sanding head
- Dremel® Glue Gun 930
- Dremel 7mm glittersticks GG04 and/or colour sticks GG05
- Balsa wood
- Card for a template, pencil and scissors
- Red and cream paint and brush
- Ribbon

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Make a template by drawing a heart or star shape onto a piece of blank card and cutting it out. Draw around the templates onto balsa wood. Put the balsa wood into the vice to hold it steady. Then, using the cutting disc for the Dremel 7700, cut along the pencil lines to form the shape. Turn the balsa wood in the vice so that all sides can be cut.

### STEP 2

Make a hole in the top of each shape with the hole tool in the Dremel 7700. Paint both sides of each shape and leave the paint to dry completely. Using a mini clamp to hold the painted stars and hearts, sand along the edges of the shapes using the sanding tool fixed into the Dremel 7700.

### STEP 3

Using the Dremel glitterglue sticks or the coloured sticks in the Glue Gun, decorate the wooden shapes with dots of varying sizes. Thread a length of ribbon through the hole at the top and finish with a knot. Hang from another length of pretty coloured raffia or string and attach to the corners of your fireplace, along the stair banister or over the top of your front door to welcome in the festive season.



STEP 1



STEP 2



STEP 3



STEP 4



STEP 5

# WOODEN BIRDHOUSE TREE DECORATIONS

Celebrate the beauty of nature this Christmas with materials such as, bleached wood, cotton, mineral ores and glass. Combine them with hand sketches, floral motifs, birds of the forest and the beautiful greenery and scent of the pine tree. A simple uncontrived palette of warm grey, peridot green, petrol blue, alabaster and linen white will create a sense of peace and quiet charm this festive season.

## STEP 1

Photocopy the template given, then mark and cut out the shapes in paper. Use adhesive spray to stick the shapes for the roof and base sections onto 3mm thick wood and the other pieces onto 2mm thick wood. Then, use the Dremel 300 fitted with the spiral cutting bit and cutting guide attachment to cut out a circle for the entrance hole at the position indicated.

## STEP 2

Use the Dremel Hobby 300 and the SpeedClic Woodcutting Wheel to cut out all the birdhouse sections following the templates, plus a 1.5cm long piece of 5mm dowel for the perch.

## STEP 3

Drill a hole at the position marked for the perch on the template using the Dremel 300 and a 6mm drill bit from the wood drill bit set. Peel off the paper templates and use your Dremel Hobby 300 and the SpeedClic Abrasive Buffs to smooth the cut edges.

## STEP 4

Paint the wooden sides for the birdhouse. A deeper shade will show the carving up the best, and then, when dry, use the Dremel Hobby 300 and engraving cutter to decorate the sides, back and front with freehand-carved patterns of stems, leaves and grasses.

## STEP 5

Cut the soft metal sheet to cover the outside of the roof sections and the upper side of the base. Secure them by running strips of self-adhesive foil tape around the edge, allowing it to wrap over the sides of each section. Use the Dremel Glue Gun and clear glue to glue the end of the perch into the hole drilled through the front of the birdhouse. Again, with your Dremel Glue Gun and clear glue, glue the pieces together to form the house, sandwiching the side panels between the front and back panels. Glue the house centrally onto the base, then glue on the roof sections, allowing the larger section to overlap the smaller section at the apex.

## STEP 6

Use the craft punches to punch out small metal hearts and flowers and cut out some floral motifs from the pieces of lace. Use your Dremel Glue Gun and clear glue to adhere edging lace along the front eaves of the birdhouse and to glue on the floral and heart motifs to embellish the carved design. Drill small holes through the roof and thread through a hanging loop of clear fishing line to hang your birdhouse decoration.

## MATERIALS REQUIRED

- Dremel® 300 Series Hobby with Dremel Spiral Cutting Bit 561 and Cutting Guide Attachment 565, SpeedClic™ Woodcutting Wheel SC544, SpeedClic™ Abrasive Buffs 511S and 512S, Dremel Wood Drill Bit Set 636, Dremel Engraving cutter 106
- Dremel® Glue Gun 930 with clear glue 7mm GG02
- Bass wood, 2mm and 3mm thick and dowel, 5mm
- Soft metal sheet, aluminium and copper
- Metal self-adhesive foil tape, 6mm, aluminium and copper
- Pieces of cotton lace in natural shades
- Craft punches, small flowers and hearts
- Emulsion paint
- Clear fishing line for hanging

## DIFFICULTY RATING





# ENGRAVED CHRISTMAS PICTURE FRAME

Give a little love this Christmas with a pretty painted and engraved picture frame. Your family will appreciate the extra care and effort you've put into this festive gift.

## MATERIALS REQUIRED

- Dremel® Engraver with Carbide Cutting Bit 9924
- Painted picture frame
- Pencil and eraser

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Draw a design onto the frame with a pencil. Pretty leaf and stem patterns with hearts make an attractive border. Make the pencil marks fairly bold so that you can see how the design is working.

### STEP 2

When you are happy with the design, rub over it gently with the eraser to soften it slightly. Take the Dremel Engraver and working on a high setting, engrave the design into the wood, going over the pencil lines. Blow the dust off the frame as you work.

### STEP 3

Once the main shapes are finished, make smaller marks with the Engraver to form leaf and dot shapes. Add extra decoration to the hearts and along the wavy lines. To finish wipe the surface of the frame with a soft cloth to remove the dust.







# RESTORING AN OLD WOODEN CABINET

Have you ever looked at a battered old wooden chest or cabinet and wondered if it could be restored? Well, now you can breathe new life into it creating a beautiful piece of furniture for your home. In turn, it will make a big difference to your room. How satisfying to know that you did all this yourself!

## MATERIALS REQUIRED

- Dremel® 8200
- SpeedClic™ Mandrel SC402
- SpeedClic™ Abrasive Buffs 511S and 512S
- SpeedClic™ Detailed Abrasive Brushes 471S, 472S and 473S
- SpeedClic™ Polishing Cloth Wheel 423S
- Dremel Impregnated Polishing Wheel 520
- Sanding block
- Beeswax

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

First, using sanding block, sand down the entire cabinet.

### STEP 2

Then sand away any old pieces of damaged and scratched wood using the Dremel 8200, SpeedClic Mandrel and the SpeedClic Abrasive Buffs in coarse, medium and fine depending on how damaged the wood is. Or use the SpeedClic Detailed Abrasive Brushes where you need to take account of an engraved design in the wood or need more gentle sanding. If you need to execute precise sanding or sanding at a 45 or 90 degree angle, the Dremel Shaping Platform 576 will help you to do this.

### STEP 3

Work in a number of layers of beeswax to the natural wood for a beautiful finish. Alternatively, paint wood stain over the affected area to bring it back to the original colour, wait until this is dry, then apply varnish to the entire cabinet and polish with a very clean dry cloth.

### STEP 4

On detailed areas polish using the Dremel 8200, SpeedClic Mandrel and the SpeedClic Polishing Cloth Wheel.

### STEP 5

Remove the brass handles and polish up using the Dremel 8200, SpeedClic Mandrel and the Impregnated Polishing Wheel. If this isn't possible because some of the handles are missing and you can't match them to new ones, buy new brass handles and screw them into the original holes completing your restoration.



STEP 3



STEP 4



STEP 5



STEP 1



STEP 2



STEP 3



STEP 4



# CREATING A STYLISH HANGING WINE RACK

If you enjoy entertaining in your kitchen and dining area, you'll probably want to offer your guests a nice glass of wine. And what a stylish option there is for storing it!

## STEP 1

Cut the wood into lengths (ours measured 50cm x 2 front and back, 25cm x 2 sides) using the Dremel TRIO, line and circle cutter attachment and the Multipurpose Cutting Bit to create a frame from the four lengths of wood.

## STEP 2

On the length of wood that will become the front of the wine rack, mark where the cuts for the bottle necks will go. Sand a shallow half circle on which to rest each bottle neck using the Dremel 4000 with Sanding Mandrel and Sanding Band 407 or a piece of coarse grit sandpaper.

## STEP 3

Buy wooden dowelling and cut into twelve equal lengths (two per bottle) of 22cm with the Dremel TRIO and the Multipurpose Cutting Bit. Take the two lengths of timber for the front and back and measure the twelve points where the dowels need to be located. Mark up the timber every 10cm to place each bottle. Within the 10cm marks, place a mark at 1.5cm and 8.5cm. This will give you the centres for where the dowels will be placed. Make sure that the bottom edge of the timber to the centre of the dowels measures a depth of 1.5cm.

## STEP 4

Using the Dremel TRIO with straight router bit, rout half the way through the wood to create the slots for the dowels. Set the depth with the TRIO's variable foot. Bear in mind that you want your dowels to be close enough together for the bottles to be held but not so close that they topple easily off the dowels: approximately 4cm. Sand away any rough edges using the Dremel TRIO with Sanding Bands TR407. Affix the dowels using mitre glue. You have then created the back, front and rack for the wine bottles.

## STEP 5

Position the remaining lengths of wood on each side of the frame. Plunge cut pilot holes to attach the metal corner brackets then screw in 25mm screws and complete the wooden frame using the Dremel TRIO and the Multipurpose Cutting Bit.

## STEP 6

Using your screwdriver, screw the metal rack onto the underside of the wooden frame to hang the glasses.

## MATERIALS REQUIRED

- Dremel® TRIO™
- Dremel Multipurpose Cutting Bit TR563, Straight Router Bit TR654, Sanding Bands TR407
- Dremel 4000® with Sanding Mandrel and Sanding Band 407
- Wood for wine rack and wooden dowels x 8
- Metal rack to hold wine glasses
- Corner brackets
- Metal chain to hang wine rack and fixings into ceiling
- Self-tapping hooks x 8 (4 for the rack, 4 to screw into plugs in the ceiling)

## DIFFICULTY RATING



## STEP 7

Screw self-tapping hooks into the corners of the top-side of the wooden frame. Then attach the metal chain to the four corners of the wine rack for hanging. To affix the wine rack to the ceiling, simply measure the location of the hooks, drill four holes in the ceiling, push in plugs and screw in four self-tapping hooks. Then attach the metal chains to the self-tapping hooks in the ceiling.





# ROUTING A PICTURE SHELF

Why not create an eye-catching shelf to showcase a piece of art created by a friend, yourself or one of the family? It's quick, low-cost and easy to do but makes a statement on a plain wall worthy of any art gallery!

## MATERIALS REQUIRED

- Dremel® 300 Series
- Dremel 231 Shaper/Router Table Attachment with Router Bit 650
- A plain wooden shelf kit bought from a DIY shop
- A tin of satin finish paint

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Insert the router bit into your Dremel 300 and then attach it to the Shaper/Router Table Attachment. The Shaper/Router Table Attachment turns your Dremel 300 into a bench-mounted tool that allows you to make really precise cuts into firmly secured pieces of wood. This way you can rout a groove along the back of your shelf to create a ledge to prop up your picture ensuring that it doesn't slip forward.

### STEP 2

Turn the timber upside down, mark your line and adjust the Dremel Shaper/Router Table Attachment to the correct depth using the guide. Then route the groove you need along the shelf.

### STEP 3

Paint the shelf and leave to dry.

### STEP 4

Screw the brackets and then the shelf to the wall checking that it is straight by using a spirit level.

Dremel's range of attachments comprise a line and circle cutter, a mini saw attachment, wall and floor grout removal kit, a wall tile cutting kit, a multipurpose cutting kit, a Shaper/Router Table, a Plunge Router Attachment, a right angle attachment, as well as a chain saw sharpening attachment.





# QUICK KITCHEN MAKEOVER

Whether it's a Saturday night party for a dozen friends, or family night with pizza and homework, these days the kitchen is the gathering spot. Add a vegetable sink where someone can help the cook. Later on it, fill it with ice and it becomes an ice bucket or a base to keep your seafood cool.

## MATERIALS REQUIRED

- Dremel® TRIO™ with the Line and Circle Cutter, the Tile Cutting Bit TR562, the Multipurpose Carbide Cutting Bit TR563
- Stainless steel vegetable basin
- Designer tap e.g. a monoblock mixer tap
- Silicon sealant
- Waste for sink
- Pipework to link to the mains

## DIFFICULTY RATING



STEP 1

### STEP 1

With your kitchen worktop and splashbacks already tiled around your existing sink, turn the basin of your new Chef's vegetable sink upside down onto the tiles and mark up the circumference by drawing round it with an ordinary pencil. Make sure you do this around half a metre away from your existing sink. Then, draw the lip of the basin inside the bowl, measuring it first and rubbing out the outer line.

### STEP 2

Plunge cut the ceramic tiled worktop along the pencil line using the Dremel TRIO and the tile cutting bit freehand or by adding the TRIO's line and circle cutter to help you cut a perfect circle (with a maximum radius of 160mm). Cut back the wood underneath on the same line, this time using the Dremel TRIO and the Multipurpose Carbide Cutting Bit, as before.



STEP 2

### STEP 3

Mark up the circumference of the base of your designer tap on the ceramic tiled worktop around 15cm away from the hole you have cut for your sink. Then, plunge cut this smaller hole as before.

### STEP 4

Place the sink into position having beaded clear silicon under the lip to ensure that your sink won't leak. Then, drop your new designer tap into place. Turn the water off at the mains and cut into the water supply for your existing taps. Using a T, create a new supply for your new designer tap. Or get a trained plumber to do this for you!



STEP 3





# FIXING A LOCK INTO A SMALL KEY CABINET

Just can't find your keys anywhere? Do members of your family run around searching for their keys just before they go out? Spend ages looking for keys to the back door? Avoid the stress and create a low cost key cabinet for everyone's keys – then all you have to do is to remember to use it!

## MATERIALS REQUIRED

- Dremel® 300 Series
- Dremel® Plunge Router Attachment 335 and Router Bit 650
- Flat pack key cabinet
- Lock
- Small brass key hooks

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Insert the Router Bit into the Dremel 300 Series and attach it to the Plunge Router Attachment. This turns your Dremel tool into a plunge router to cut circles and any shapes you need. Then take your shop bought flat pack key cabinet and assemble.

### STEP 2

Mark out the shape of the hole for the lock by drawing around it and use the Dremel Plunge Router Attachment to create a cavity to take the lock in the cabinet door. Then fit the lock.

### STEP 3

Mark up spaces for brass hooks inside the key cabinet and then simply screw in the hooks. Job done!





# RESTORING METAL GARDEN FURNITURE

While it's still warm enough to eat outside, ensure that your old metal garden seats and table are still looking their best. Restoring them is easy with a new lick of paint giving you a whole new set of garden furniture. It's sure to stretch out your outdoor eating for an extra couple of months!

## MATERIALS REQUIRED

- Dremel® 8200
- SpeedClic™ Mandrel SC402
- SpeedClic™ Abrasive Buffs 511S, 512S
- SpeedClic™ Detailed Abrasive Brushes 471S, 472S, 473S
- Aluminium Oxide Grinding Wheel 541
- Wire brush or wire brush attachment for drill
- Metal paint primer
- Metal paint topcoat
- Paint brush or spray paint gun, if you have one

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Brush over the entire surface of the chairs (and table) using a coarse hand wire brush in order to give the new paint a proper key. Alternatively, if you have a big power tool with large abrasive brush head to do this, it will make the job much faster. This will also help to cause loose paint to flake off, identify any areas of rust around bolts, for example, and allow you to brush away any green moss or mould that has been growing.

### STEP 2

Next, take your new cordless Dremel 8200 and attach the SpeedClic Mandrel with the SpeedClic Fine/Medium/Coarse Abrasive Buffs, for sanding across a flat surface, or the SpeedClic Detailed Abrasive Brushes that glide over a carved or patterned surface sanding gently. Carefully sand down the surrounding edges of the little chipped areas where paint has flaked off. Check for rust, smooth and clear this using your Dremel 8200 and the Aluminium Oxide Grinding Wheel. This will then give you a perfectly smooth surface to paint over.

### STEP 3

Prime the affected areas using a metal paint primer.

### STEP 4

Paint or spray-paint using metal paint in a lovely colour. We've chosen a gorgeous teal blue to fit in with the new 'bright' colours trend in the garden this year – and, lo and behold, you have a 'new' set of garden chairs and table for your long weekend meals in the mellow sunshine.



STEP 3



STEP 4





# RENOVATING A MOSAIC GARDEN TABLE

If your wooden garden table is looking a little worse for wear and you don't want to spend money buying another, then brighten it up by creating or renovating a mosaic top and giving it a lick of paint! Salads in the back garden will seem nicer instantly!

## MATERIALS REQUIRED

- Dremel® 300 Series
- Dremel® Wall and Floor Grout Removal Kit 568 with Grout Removal Bit 569
- Grout
- Sponge
- Clean dry cloth

## DIFFICULTY RATING



STEP 1



STEP 2



STEP 3

### STEP 1

Insert the grout removal bit to your Dremel 300 and attach it to the Dremel Wall and Floor Grout Removal Attachment that cleverly removes grout between wall and floor tiles. Start to clean the grout between the mosaic pieces.

### STEP 2

Continue to do this until the dirty grout has been removed. Then commence the re-grouting process using grouting filler.

### STEP 3

Wipe with sponge to remove excess grout from the surface of the mosaic table. Leave to dry and polish off the surface and buff to shine.



# LINING A HERB POT TRAY

Want to be able to pick fresh herbs to add to your cooking? It couldn't be easier to create a lovely herb tray that you can water over and over again and at a fraction of the cost of a shop-bought one!

## MATERIALS REQUIRED

- Dremel® 300 Series
- Dremel accessories: SpeedClic Mandrel SC402, SpeedClic Metal Cutting Disc SC456, SpeedClic™ Abrasive Buff 512S
- Thin sheet metal
- Painted wooden tray
- Herbs in terracotta pots

## DIFFICULTY RATING



STEP 1

### STEP 1

Dremel has made it really quick and easy to change accessories for your Dremel 300 rotary tool. Just one mandrel is needed for SpeedClic, with no wrenches or screws required either! Just pull the spring-fitted mandrel, twist and click for a keyless wheel change in less than 10 seconds thanks to the unique metal insert shape and technology. Attach the Dremel 300 Series with the SpeedClic Mandrel to the SpeedClic Metal 38mm Cutting Disc. Then cut the metal to fit your painted wooden tray one inch below the height of the tray. This will stop the base of the wooden tray from rotting when you water your herbs. Smooth off any edges using the Dremel 300 and the SpeedClic Abrasive Buff.



STEP 2

### STEP 2

Apply masking tape just below the top edge of the tray and then apply clear sealant on the top edge and in the corners on joins where the metal has been cut to ensure that there are no leaks when watering.

### STEP 3

Place your terracotta pots of herbs into the metal lined wooden tray and water.



STEP 3







# MOSAIC GARDEN BENCH

Give your courtyard or small walled garden a taste of the essence of a new type of luxury with a hint of the theatrical twinned with urban roughness. Take a black garden seat and inset with mirrored and silver glittery mosaic pieces, set it in a pretty spot. A contrast of opaque and transparent forms, this is where exceptional beauty is ready to conquer modernity. A definite wow factor for a small courtyard!

## MATERIALS REQUIRED

- Dremel 8200
- Dremel Glue Gun 930
- Silver glitter mosaic squares and mirror diamonds
- Garden bench
- Black paint

## DIFFICULTY RATING



## PLANTING

Add box spirals in tubs to your courtyard. Create the spiral shape by training box hedging around a steel rod placed in the centre of the tub and continually clip into shape.



STEP 1

### STEP 1

Prime and paint your garden bench black using external paint.

### STEP 2

Mark around pieces of silver glitter mirror mosaic square, in a straight line on the arm, back and front sections of the garden bench with a pencil.

### STEP 3

Then plunge cut using the cordless Dremel 8200, the Dremel Router Bit 654 and Dremel Plunge Router Attachment 335 set to a depth slightly deeper than the depth of the piece of mosaic tile.



STEP 2

### STEP 4

Sand, using the cordless Dremel 8200, SpeedClic Mandrel SC402 and Dremel Abrasive Buffs Coarse, Medium and Fine 511S/512S with the Dremel Detailer's Grip to give you an easier hold.

### STEP 5

Then, inset silver glitter mosaic square or mirror diamond and stick into place using Dremel Glue Gun 930 and 7mm clear glue. Fill around edges with multi-purpose filler slightly proud of the surface of the wood, then sand off excess filler using the abrasive buffs as above. Continue until pattern is finished. Paint in using black paint.



STEP 3



STEP 4



STEP 5

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# ETCH A LETTERED HOUSE SIGN

A beautifully carved sign announcing the name or number of your home could add prestige and status to your property giving it additional kerb-side appeal!

## MATERIALS REQUIRED

- Dremel® TRIO™ with Multipurpose Cutting Bit TR563, Sanding Band TR407 and Corner Rounding Router Bit TR615, Straight Routing Bit TR654 and Chamfer Router Bit TR618
- Dremel® 8200 with Detailer's Grip, SpeedClic Mandrel SC402 and SpeedClic Medium/Fine Abrasive Buffs 511S, 512S
- Workbench clamping system
- Paint: primer, undercoat, top coat, contrasting colour for letters/numbers
- Two screws, plus plug
- Artist's paintbrush
- Piece of fine sandpaper

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Cut off a piece of pinewood 14cm by 35cm for your house name or number plaque by using the Dremel TRIO and the Multipurpose Cutting Bit. Smooth and shape any end grain using the Dremel TRIO with the Sanding Mandrel, Sanding Band. Add a decorative bevelled edge, using your Dremel TRIO with the Corner Rounding Router Bit.

### STEP 2

Get a piece of cardboard and stencil from an art shop, cut out the name or number of your property and trace this onto your wooden name or number plaque.

### STEP 3

Adjust the Dremel TRIO to the required cutting depth and rout out the numbers or name inside your pencil marks using its straight routing bit. As a guide our numbers were sized 9.4cm x width in pro at a depth of 3mm. Clamp a straight edge over your project parallel to any straight lines to act as a guide when routing.

### STEP 4

Smooth down the rough edges and surface of the routed numbers using either a piece of fine sandpaper – or the Dremel 8200 with Detailer's Grip, SpeedClic Mandrel and SpeedClic Abrasive Buffs.

### STEP 5

Drill one hole on the left and one on the right of the plaque in order to affix it. To do this, use the Dremel TRIO with Multipurpose Carbide Cutting Bit and countersink it using the Chamfer Router Bit.

### STEP 6

Prepare the plaque with one coat of primer, one coat of undercoat, then, paint the whole sign with an outdoor weatherproof paint. Paint the letters or numbers in a contrasting colour using external paint and an artist's paintbrush. Screw to wall.



STEP 3



STEP 4



STEP 5



STEP 6



# REPAIR DENT AND REMOVE RUST FROM WHEEL ARCH

Want to remove a dent and rust from your car? In our case, this was along the wheel arch where a misjudged piece of parking resulted in a scrape along the inside of the garage. It had also been left unattended for a couple of years and the rain and bad weather had done their worst.

## MATERIALS REQUIRED

- Dremel® 8200
- Dremel Multi-Chuck 4486, Dremel Grinding Stone Accessory 8175, Carbon Steel Brush Accessory 42
- Newspaper
- Masking tape
- Filler
- Metal paint car primer
- Factory colour-matched automotive spray-on paint
- Sanding block

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

This is a quick and simple repair you can do yourself making a big difference to the look of your car – avoiding costs at the garage! First, pull out the dent, using a crowbar hooked under the wheel arch at exactly the point where the dent is worst, to restore its proper shape. Then, start to remove the rust by sanding it with the Dremel 8200 and the Grinding Stone Accessory, using the Multi-Chuck to help you change quickly between accessories, until the bare metal can be seen.

### STEP 2

Sand the area around the rust with the Dremel 8200 and the carbon steel brush accessory to remove any flaking paint and sand until smooth.

### STEP 3

Skim filler over repair.

### STEP 4

Sand over entire area with sanding block where the surface isn't entirely even. Do not use your Dremel for this or you will create grooves in the surface.

### STEP 5

Tape brown paper or newspaper around the area to be primed. Prime the area with three coats of car primer. Allow each coat of primer to dry for 10 minutes before applying the next coat. Let the primer dry for up to 24 hours. Then spray on paint with matching colour. Leave to dry and set hard in a safe place for 48 hours avoiding leaning on the car, brushing up against it or scratching it.

## DREMEL TIP

Using a Dremel Multi-Chuck can speed things up when changing between accessories.



STEP 3



STEP 4



STEP 5



# CLEAN UP A CORRODED BATTERY

A battery can easily become corroded affecting its ability to do its job. Cleaning it up will only take five minutes and it's a job that really doesn't need the garage to help you to do it. All you have to do is to check out the items listed below and then follow our instructions.

## MATERIALS REQUIRED

- Dremel® 8200 with Stainless Steel Brush 531
- Gloves
- White vinegar
- Small bowl
- Cotton wool swabs
- Boiling water

## DIFFICULTY RATING



STEP 1



STEP 2

### STEP 1

Put on your gloves. Alkaline battery corrosion can burn your skin, so it's important to keep your hands covered. Then remove the battery from your car. Pour a small amount of white vinegar into your bowl. Dip your cotton swab into the vinegar and rub it along the corroded area. The vinegar will dissolve most of the corrosion. Repeat until the corrosion is gone. Or simply pour boiling water over the top of the battery and clean.

### STEP 2

To get rid of the rest of the corrosion and really clean up the terminals in your car, use your Dremel 8200 with the Stainless Steel Brush Accessory. Use a maximum of 15,000 RPM.

### STEP 3

Then, once again take your Dremel 8200 and Stainless Steel Brush and turn your attention to the terminals on the top of your car battery to improve the contact that they make with the leads in your car. Corroded terminals can often be the cause of cars not starting in the Winter rather than the need to replace the battery, so it's wise to check the state of the terminals around the time of your annual service or at the beginning and end of the Winter.

### STEP 4

Replace the battery in your car and connect up the leads to the battery using an ordinary spanner.



STEP 3



STEP 4





# REPAIR SCRATCHES ON WING MIRROR CASINGS

If you park your car on the road, you may have come down in the morning to drive off to work and discovered minor scratches and paint scrapes on your wing mirror casings caused by poor parking by other cars! As irritating as this is, it's easy and quick to make your car look as good as new.

## MATERIALS REQUIRED

- Dremel® 8200
- SpeedClic™ Mandrel SC402 and SpeedClic Detail Abrasive Brush 473S
- Pre-paint degreaser wax remover solution
- Cloth or towel
- Spray-on metal paint primer
- Spray-on factory colour-matched automotive paint
- Car polish and wax
- Brown paper or newspaper

## DIFFICULTY RATING



STEP 1

### STEP 1

Apply pre-paint degreaser wax remover solution to the afflicted area to remove the wax from your car's paint as well as the paint from the other car. Use a cloth or towel to apply this solution, rubbing thoroughly. As you can see, it comes off easily revealing the scratches beneath.

### STEP 2

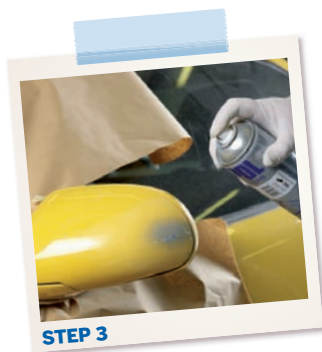
Clean out the scratches with your Dremel 8200 with SpeedClic Mandrel and SpeedClic Abrasive Brush, moving it along the scratch to remove dirt and clean out the flaking paint chips in the scratch. It is best to use a speed of 15,000 RPM.



STEP 2

### STEP 3

Mask up around the affected area with brown paper or newspaper and spray on primer before spraying on your factory colour-matched automotive paint to the affected area. Let the first coat dry and then apply another one or two coats as needed. Let dry and then apply a coat of polish and wax to the vehicle to match your existing finish.



STEP 3

# ACKNOWLEDGEMENTS

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# BUYING THE DREMEL® RANGE

All the Dremel tools, accessories and attachments used in this book are available from DIY and hobbycraft retailers, as well as online. For help and advice on projects and sourcing products go to [www.dremel.com](http://www.dremel.com)

Here are the Dremel tools used in this book to help you specify what you need when you are ordering them.



**Dremel 300 Series**



**Dremel 4000**



**Dremel 7700**



**Dremel 8200**



**Dremel Engraver**



**Dremel Hobby Glue Gun 930**



**Dremel Trio'**



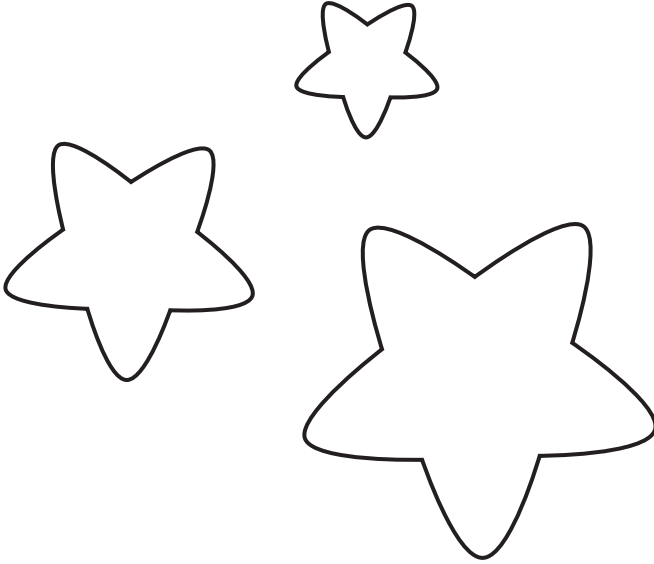
**Dremel VersaFlame'**



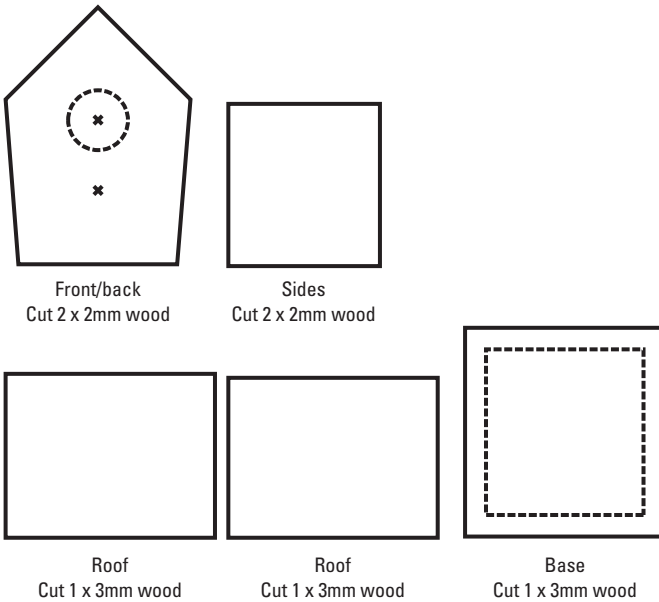
**Dremel VersaTip'**

# TEMPLATES

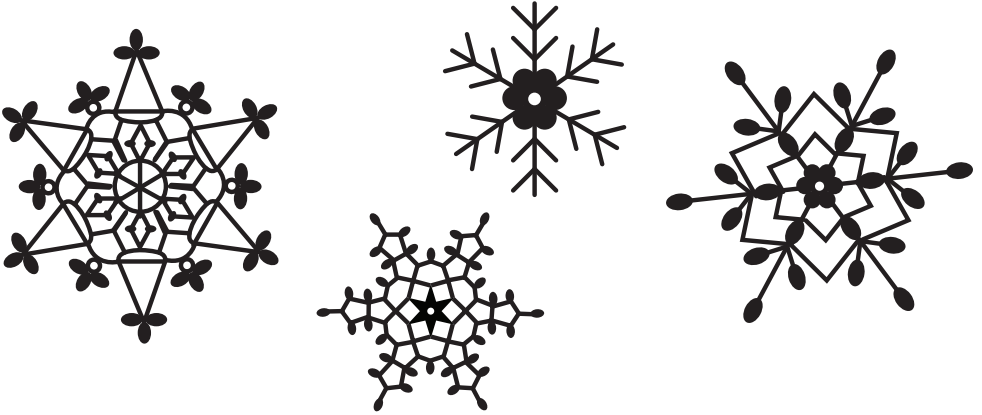
## Xmas Cards Bags Giftwrap and Tags



## Wooden Birdhouse Tree Decorations

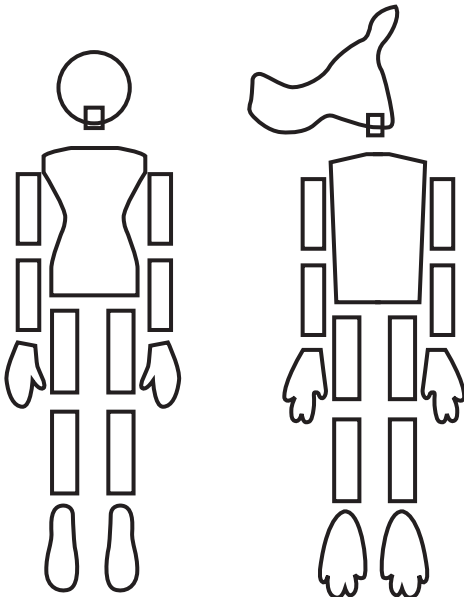


## Snowflake Christmas Window



Enlarge or reduce as required

## Princess and Dragon Puppets



### Cutting notes for puppets

#### Princess

Head	50mm wood ball
Body	15mm wood
Feet	12mm wood
Hands	6mm wood
Neck	12mm dowel
Upper arms	15mm dowel
Lower arms	12mm dowel
Upper legs	20mm dowel
Lower legs	18mm dowel

#### Dragon

Head	15mm wood
Body	15mm wood
Feet	12mm wood
Hands	6mm wood
Neck	8mm dowel
Upper arms	15mm dowel
Lower arms	12mm dowel
Upper legs	20mm dowel
Lower legs	18mm dowel





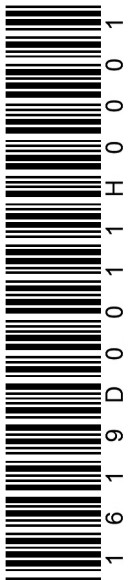








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