Metalwork KEY WORDS









METALWORK KEYWORDS Keywords with pictures to trigger your memory. A Revision tool for Junior Certificate Metalwork.

Published by

Professional Development Service for Teachers (PDST) Junior Certificate School Programme Blackrock Education Centre, Kill Avenue, Dún Laoghaire, Co. Dublin Phone: 01 2365000 Email: jcsp@pdst.ie

First Published 2016

Copyright ©PDST, JCSP.

The Professional Development Service for Teachers (PDST), The Junior Certificate School Programme (JCSP), the Literacy and Numeracy Strategy, the Demonstration Library Project and the Delivering Equality of Opportunity in Schools (DEIS) Action Plan are funded by the Teacher Education Section of the Department of Education and Skills (DES).

All rights reserved.

The purpose of this publication is to enhance teaching and learning within the Junior Certificate School Programme.

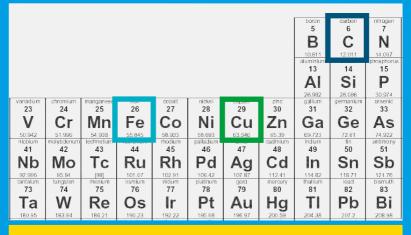
No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means for commercial gain without prior written permission of the publisher.

Every effort has been made to ensure that this book contains accurate information. However, PDST, JCSP, its agents and the authors shall not be liable for any loss or damage suffered by readers as a result of any information contained herein.

> Author: Alma Ui Fhlannchadha Scoil Phobail Mhic Dara, Carna, Co.na Gaillimhe

NATURES MATERIAL

PERIODIC TABLE OF ELEMENTS



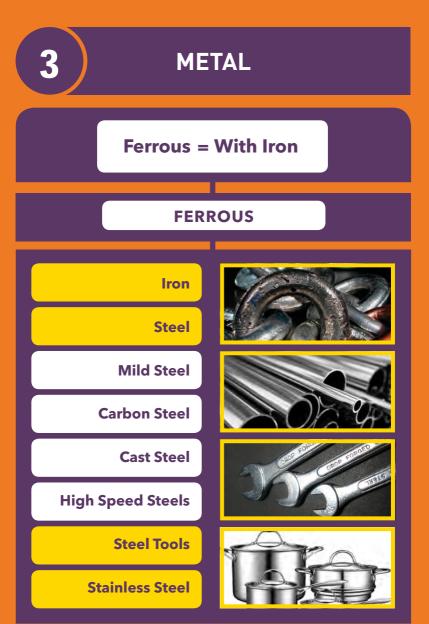
ELEMENTS
MATERIAL

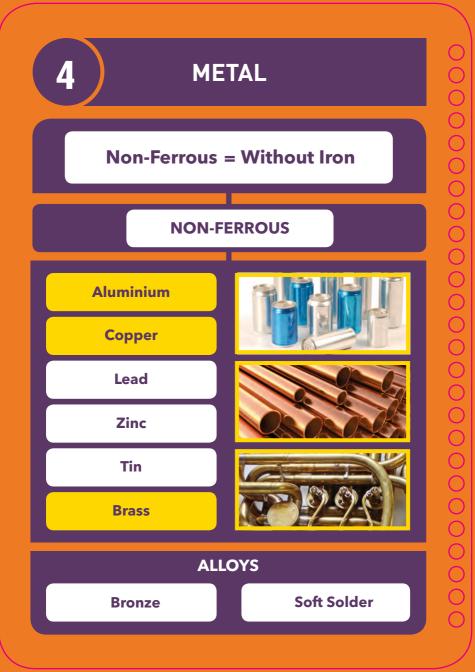
Iron (Fe)
Steel

Carbon (C)
Brass

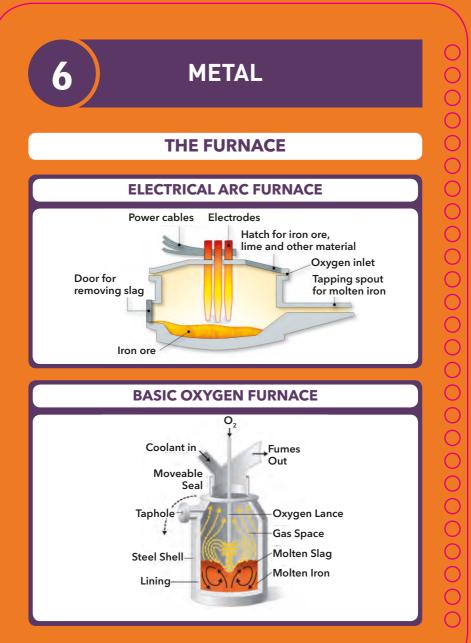
Brass
PVC

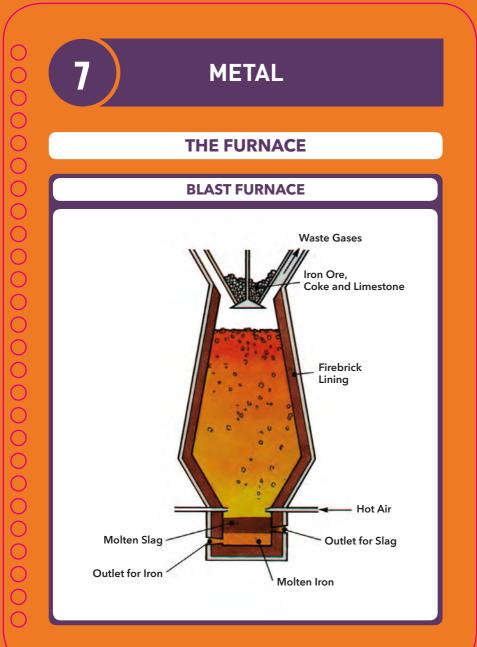














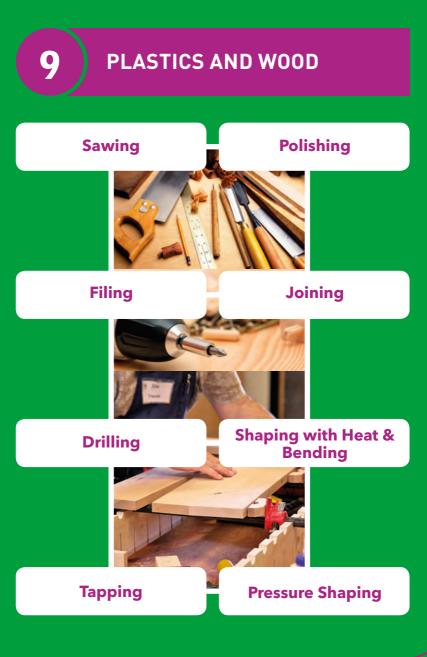
PLASTICS AND WOOD

THERMOPLASTICS



THERMOSETTING PLASTICS







WOOD

SOFTWOODS



Red Deal



Red Cedar



```
Parana Pine
```



Larch



White Deal



WOOD

HARDWOODS



Mahogany



Teak



Beech





Oak



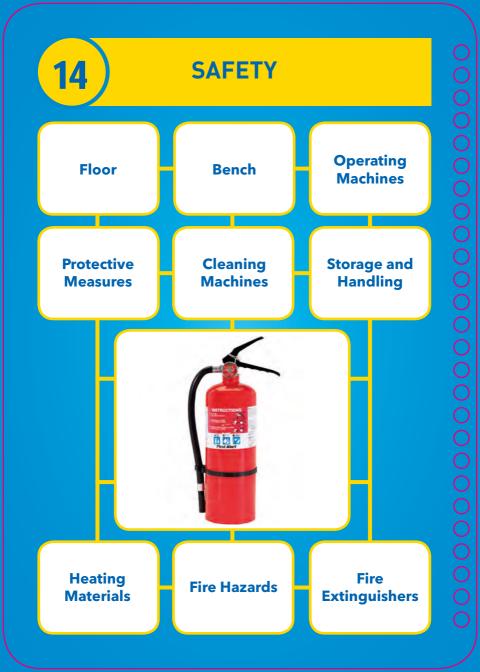


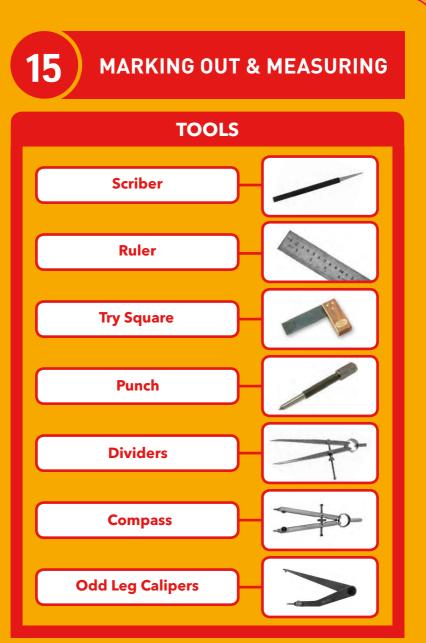


MANUFACTURED BOARDS

















GENERAL BENCH WORK

FILING



Cross Filing

Draw Filing

Square File

Half Round File

Round File

Square

Triangular

TOOLS

Vises

Clamps

Bench Vise

Hand Vise

Vise Clamps









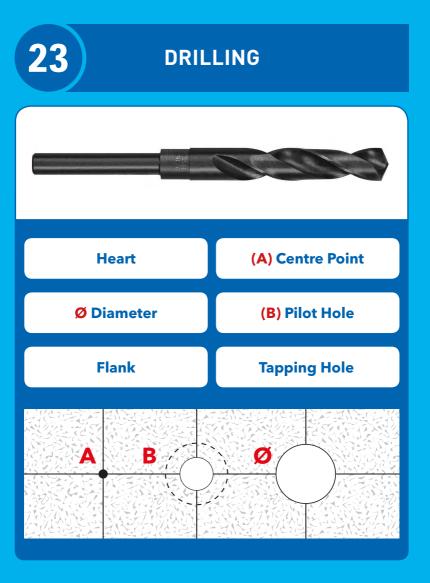


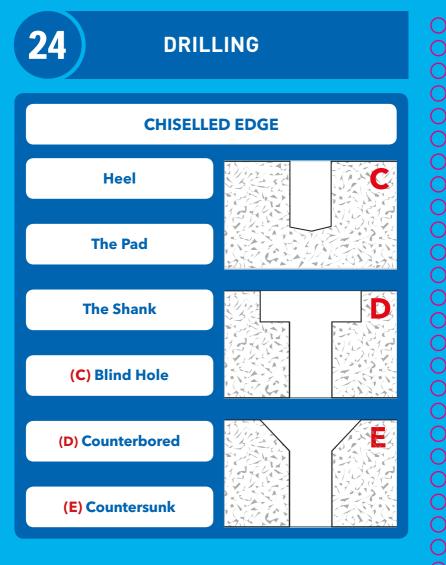


DRILLING

ELECTRIC HAND DRILL







25 **FITTING & ASSEMBLING TAPPING** MOOMY-B **Tapping Wrench Taper Tap Second Tap Plug Tap**



FITTING & ASSEMBLING

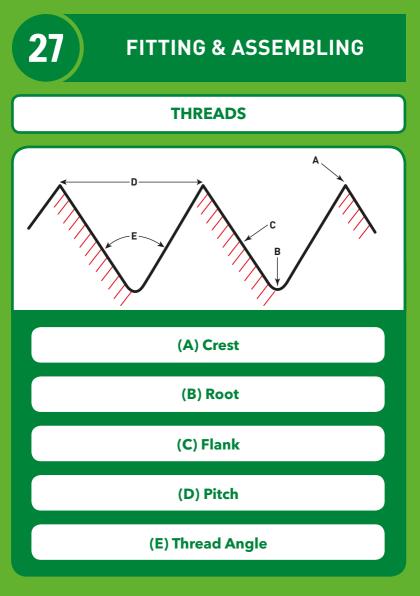
SCREWING

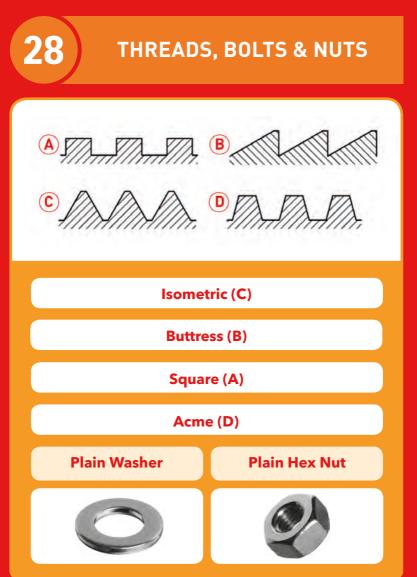


Die

Stock

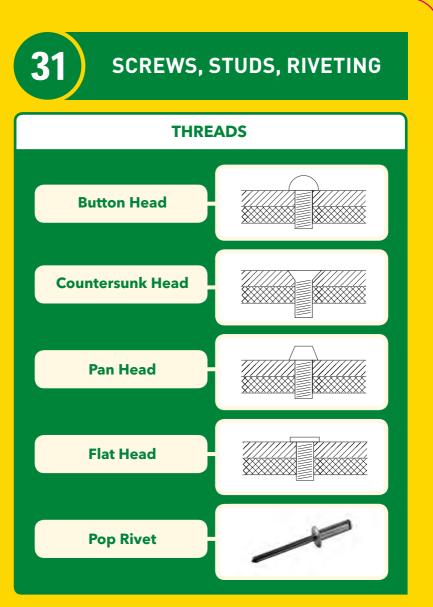
Cutting a Thread











SPANNERS & SCREWDRIVERS







SOLDERING, BRAZING & GLUING

Soft Soldering

Fluxes

Soldering Irons

Sliver Solder

Pilot Light

Gas Torch

Oven

Brazing

Spelter

Brazing Flux

Brazing Fireplace

Glueing





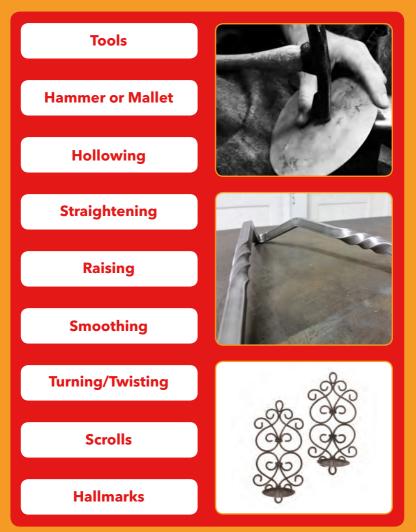








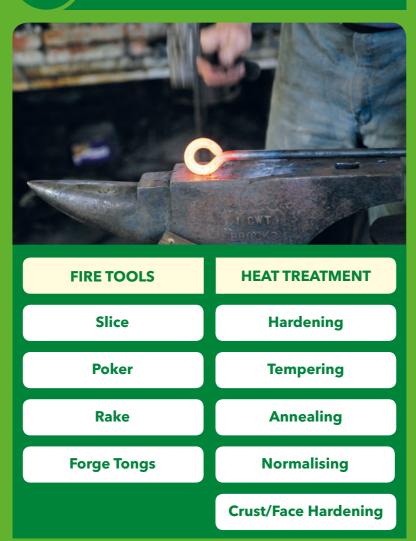
COLD FORMING







HOT WORKING







#