



## RESIN ART CLOCK Kit – Choice of:

- 10 Pack (Code: RESART10)
- 20 Pack (Code: RESART20)

### DESCRIPTION

The *RESIN ART CLOCK* is a **Materials & Technologies Specialisations focused project** which allows students to create a personalized clock face using coloured Epoxy Resin.

Students can mix, pour and manipulate the resin into the desired patterns to create a unique clock face, of their own design. This clock making project is suitable for students in years 8 – 12 in a supervised environment.

**LEVEL:**

Introductory Project Years 8-12

**HOURS TO CONSTRUCT:**

10 - 15 hours

**SKILL DEVELOPMENT:**

Creating designed solutions by:

- Developing a design brief suited to the nature of the project and the chosen target audience
- investigating and defining the project and materials required for the task, including safety considerations and production plans/timelines
- designing and generating sketches of the planned clock face pattern/colour combinations
- producing and implementing the process to create the clock
- evaluating the finished product against a set of predetermined design criteria.

### WHAT'S IN THE KIT?

The 2 kits contain – depending on the choice of kit – enough components and resin etc to make either 10 clocks or 20 clocks:

- Resin Bulk packs (Part A & Part B)
- A variety of colour packs for the students to choose from:
  - *RESART10* gets 6 different colours
  - *RESART20* gets 8 different colours
- Clock faces and all the clock components (clock movement, hands, numerals, hanger bracket)
- A detailed teaching unit with a complete parts list, Teacher notes and Student notes / instructions.





**WHAT ELSE IS NEEDED?**

The following materials and items are required. Many are available from Scorpio Technology, and can be ordered separately if required (item codes in brackets):

**RECOMMENDED PPE**

- P2/N95 Respirator / Mask (minimum) (606020 / 600622)
- Safety glasses (LWSN150)
- Latex gloves (disposable) (468405 XS/S/M/L/XL)

**FOR EACH STUDENT**

- 1 x AA Battery (BATTAA or BATTALK40)
- 1 x 200-250ml disposable picnic cups (Code: CUP250)
- 2 x 40-60ml disposable espresso (shot) cups (Code: CUP60)
- 3 x Popsticks
- 3 x Cotton buds
- Straws
- Toothpicks
- Masking Tape (or Gaffer tape) (TAPEGFBL / TAPEGFBK)
- 4 x Small wooden blocks or cups
- Newspapers / drop sheets

**FOR USE WITH THE RESIN**

- Eucalyptus Oil (for clean up)

**TOOLS REQUIRED**

The following tools are suggested or required. Some are available from Scorpio Technology, and can be ordered separately if required (item codes in brackets):

REQUIRED TOOLS	ORDERING CODE
Craft Knife	CRKNF
Fume extractor (if a spray booth is not available)	SOLDFFAN/SOLDFFANADJ
Butane Torch /a small jet lighter / Brulee torch	---

**ABOUT THE PROJECT**

The supplied Teaching unit consists of two parts:

**TEACHER NOTES**, which contain sections on:

- LESSON PLANNING AND PREPARATION with:
  - o Suggestions for Lesson planning
  - o Information about Epoxy Resins
- THE DESIGN PROCESS
  - o Includes suggestions for the Design Process
- PRECAUTIONS AND SAFETY INFORMATION
- HINTS AND TIPS

... and a link to a Youtube video made by the projects designer.

**STUDENT NOTES**, which contain sections on:

- PARTS required – a checklist for each student to use to ensure they have all parts
- HINTS AND TIPS
- PREPARATION – BEFORE YOU START
- MAKING THE CLOCK FACE
- ASSEMBLING THE CLOCK
- ... and the same link to a Youtube video made by the projects designer.



All the steps of this project are important, to ensure that students design and safely make a unique clock that they can be proud of.

## **DOES THE TEACHING UNIT INCLUDE ANY THEORY?**

The Teaching unit does not have a THEORY section as it deals with a broad variety of topics. However, there is a lot of information on the internet, and students should be encouraged to do some research on their own, and possibly report on topics of their choosing, for example:

- The background / development of Epoxy Resins
- Where Epoxy resins are most commonly used
  - Examples of other art pieces created using these materials

