Central Lancaster High School

Yr8 Design Technology at CLHS

1. Health and safety Research methods Design brief

Students will understand the importance of **health and safety**, and spot/ **interpret** general and specific health and safety rules. Can students ask **open ended and closed questions** as part of a **primary research** task? Can they **summarise** the data?

Can they **summarise** the data? Students to name and know the difference between open/closed questions and use this to create primary research. Can students come up with a **design brief** based on their research? Students will be able to write a **specification** to accompany the brief based on comprehensive **research**.

START!

Year 8

Half term 1

Low stakes tests
Performed half-termly and are based around the skills learned

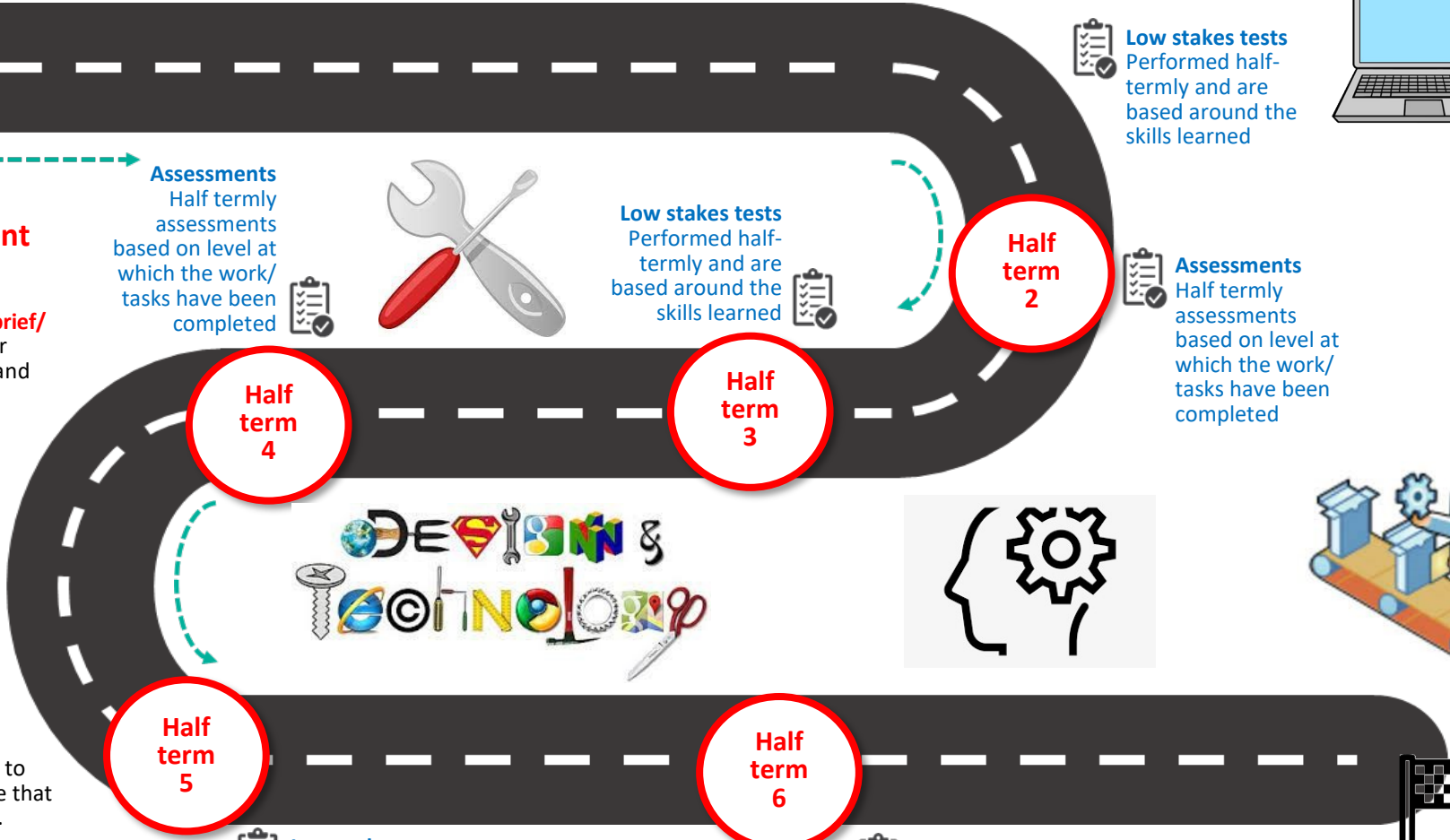## 2. Idea generation Development CAD Design theory

Students will use the **research** and **design brief/spec** to **create** relevant **initial ideas** for their **clients**. Students will **apply** existing ideas and concept to their own design work. To be able to use knowledge learned to suggest ways to reduce **the environmental impact** on the planet.

Students will **recognise manufacturing techniques** based on the **aesthetics** and form of a product (**forming**).

Students will be able to **recall rendering** techniques and use them to follow a structured **development method**. Students to **identify** the purpose of **prototypes** and use that knowledge to produce a competent model. Students will understand how to **plan and schedule** in a project (**flowcharts**).

Students will successfully **design** a clock based on research, using **2D Design software**. Students will successfully **assemble** a clock, using **QA and QC** to ensure a successful finished product. They will **justify** how well the design brief was met.

Assessments
Half termly assessments based on level at which the work/ tasks have been completed
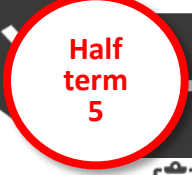
Low stakes tests
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Half term 2

Assessments
Half termly assessments based on level at which the work/ tasks have been completed

Half term 4

Half term 3

Design & Technology

Half term 5

Half term 6

Low stakes tests
Performed half-termly and are based around the skills learned

Assessments
Half termly assessments based on level at which the work/ tasks have been completed

FINISH

MANUFACTURING