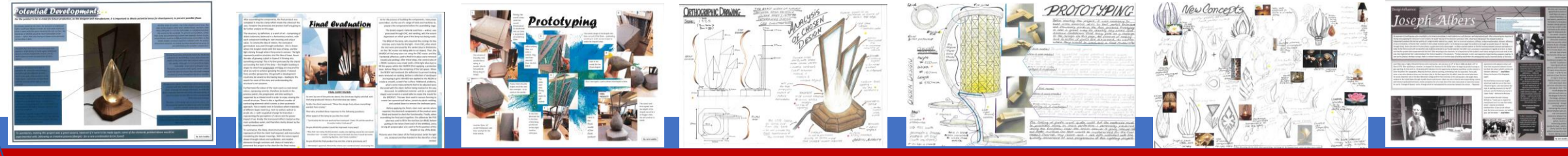


Name: \_\_\_\_\_ Room: \_\_\_\_\_ Teacher: \_\_\_\_\_

## Year 13

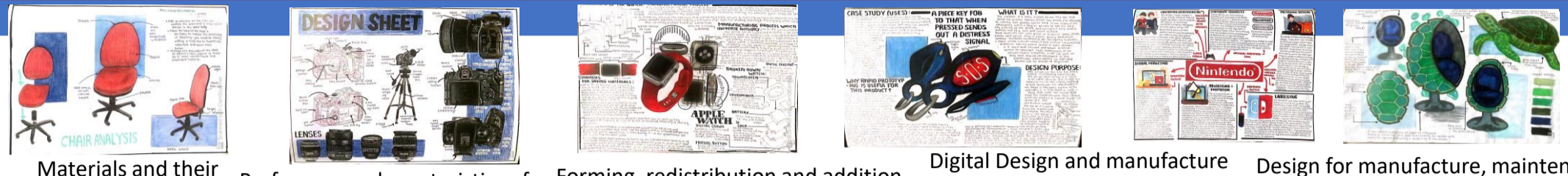


Personal investigation – final piece and presentation  
 Personal investigation, final piece manufacture. A high quality final piece that links with all research and investigations  
 Designer experimentation, design ideas and development

## Year 13

NEA commencing, developing first iteration of Section A & B

## Year 12



Materials and their applications  
 Performance characteristics of materials  
 Enhancement of materials processes  
 Forming, redistribution and addition  
 Digital Design and manufacture  
 Modern and industrial scales of practise  
 Design for manufacture, maintenance, repair and disposal  
 Protecting Designs and Intellectual Properties  
 Observational sketching and materials and their properties  
 Design Theory  
 Design Communication  
 Cultural Changes  
 Working with materials and advanced manufacturing  
 Selecting appropriate tools, equipment and processes  
 Health and safety  
 Accuracies in Design and manufacture  
 Computer Aided Design, Rapid Prototyping, Industrial scales of Practise and Biomicrite design sketching  
 Advancements in modern materials and technologies, creating a prototype suit of armour  
 Feasibility studies  
 CNC machinery and electronics to create individual household product  
 International standards for product design  
 Design for manufacture and project management

NEA personal project, testing and evaluating final product.

NEA personal Project, Creating a final prototype using correct tools, equipment and processes.

NEA personal project, Create CAD prototypes, working drawings and cutting lists

NEA personal project Developing design ideas, create initial physical foam prototypes

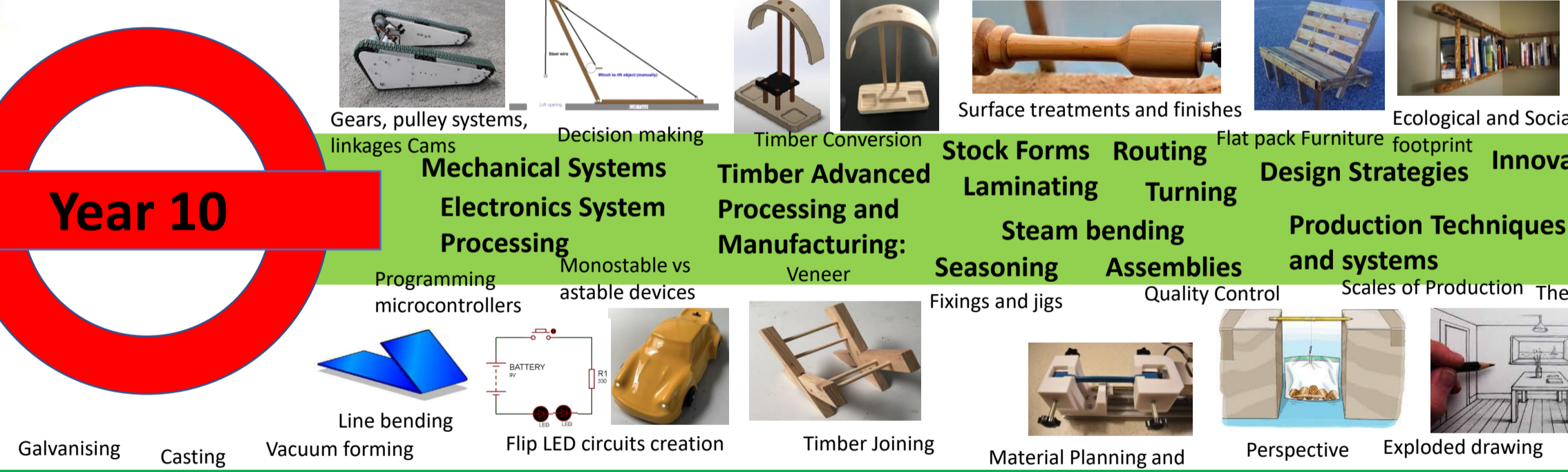
NEA personal project, Generating Initial Ideas

## Year 11

Conducting secondary and primary investigation investigations  
 Exploring Contextual Challenges  
 NEA commencing, developing first iteration of Section A & B

GCSE Structured Revision

## Year 10



## Year 7

The importance of Design and technology in the modern world  
 Health and safety  
 Tool use and cutting  
 Machine use and drilling  
 Introduction to 2d/3d design and CAD  
 Rapid prototyping  
 Electronics introduction and soldering  
 Applying finishes  
 Testing and evaluation

## Year 8

Employing the iterative design process.  
 3D CAD skills creating parts  
 Mind map creation  
 Analysing & Comparing initial car designs  
 Working with polymers  
 Prototyping, testing and reworking race car designs

HAZARD AWARENESS CHART	
HAZARD CLASSIFICATIONS	HAZARD INDEX
<ul style="list-style-type: none"> <li>4 - SEVERE HAZARD</li> <li>3 - SERIOUS HAZARD</li> <li>2 - MODERATE HAZARD</li> <li>1 - SLIGHT HAZARD</li> <li>0 - MINIMAL HAZARD</li> </ul>	<ul style="list-style-type: none"> <li>● FIRE HAZARD</li> <li>● HEALTH HAZARD</li> <li>● REACTIVITY</li> </ul>

