

WHERE POSSIBLE, ANSWER ALL THE QUESTIONS, WITH NOTES AND SKETCHES. CLICK ON EACH SNOW MAN FOR HELPFUL LINKS.

## DESIGN AND TECHNOLOGY - CHRISTMAS HOMEWORK KNOWLEDGE MAP



WORLD ASSOCIATION OF TECHNOLOGY TEACHERS <https://www.facebook.com/groups/254963448192823/> www.technologystudent.com © 2020 V.Ryan © 2020

1. WHAT WAS THE 'SINCLAIR C5' ELECTRIC CAR? INCLUDE AN IMAGE. WHY DO YOU THINK IT WAS NOT POPULAR?



2. WHAT IS A PRODUCTION LINE? INCLUDE ADVANTAGES AND DISADVANTAGES OF PRODUCTION LINES.



3. CREATE A MOOD BOARD, THAT REPRESENTS EITHER ART DECO or BAUHAUS



4. WHAT IS A 'HUF HAUS'? INCLUDE AN IMAGE. DESCRIBE THE STRUCTURE AND CONSTRUCTION OF A HUF HAUS..



5. DESCRIBE THE 'MATERIALS ECONOMY'.



9. WHAT IS THE DIFFERENCE BETWEEN A CUSTOMER AND A CLIENT?



8. WHAT ARE THE BENEFITS OF MAKING A PROTOTYPE?



7. FOLLOW THE LINK AND READ ABOUT HARRY BECK. STUDY HIS MAP. THEN, DESIGN A 'MAP' OF YOUR SCHOOL, BASED ON THE SAME STYLE, AS HIS LONDON UNDERGROUND MAP. YOUR MAP SHOULD INCLUDE THE CLASSROOMS, ENTRANCES, EXITS AND CORRIDORS, ETC...



6. FOLLOW THE LINK AND STUDY THE BATTERY POWERED BICYCLE. THEN, DESIGN YOUR OWN MODERN / STYLISH BATTERY POWERED BICYCLE. INCLUDE NOTES.



10. FOLLOW THE LINK AND STUDY THE WAY A TYPICAL HOUSE HAS BEEN UPGRADED TO BE ENVIRONMENTALLY FRIENDLY. THEN, DESIGN YOUR OWN ENVIRONMENTALLY FRIENDLY HOUSE.



11. WHAT IS A HYDROGEN CELL? HOW DOES THIS TYPE OF CELL POWER A CAR / VAN. INCLUDE DIAGRAMS / SKETCHES.



12. LIST FOUR ADVANTAGES AND DISADVANTAGES OF WIND POWER.



13. DESIGN A PICTORIAL STREET SIGN FOR YOUR STREET. FOLLOW THE LINK FOR EXAMPLES.

