

Pre-C6th Home Study

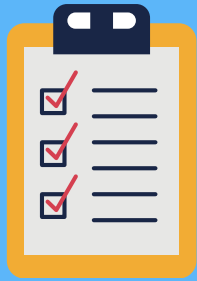
UNIVERSAL PROJECT FOR YEAR 11 HOME LEARNING - PHYSICS

THE BRIEF

IDENTIFY AN AREA OF PHYSICS THAT INTERESTS YOU. POSSIBLE TOPICS INCLUDE:

CERN AND THE LHC, HUBBLE, THE ISS, DARK MATTER AND DARK ENERGY, MEDICAL APPLICATIONS OF PHYSICS, SPACE EXPLORATION, NUCLEAR FISSION AND FUSION, RENEWABLE ENERGY, EXOPLANETS.

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CREATE A QUESTION

WHAT IS MATTER? WHERE IS ALL THE ANTI-MATTER?
WHAT IS DARK MATTER?
HOW IS PHYSICS USED IN MEDICINE?
WHAT IS THE PHYSICS OF FORMULA ONE?
IS THERE LIFE ANYWHERE ELSE IN THE UNIVERSE?
COULD WE LIVE ON MARS?
COULD WE RUN THE UK WITH JUST RENEWABLE ENERGY?
COULD EVERYONE IN THE UK USE ELECTRIC CARS?
HOW FAR ARE WE AWAY FROM NUCLEAR FUSION?
WHO WAS THE MOST IMPORTANT SCIENTIST IN HISTORY?

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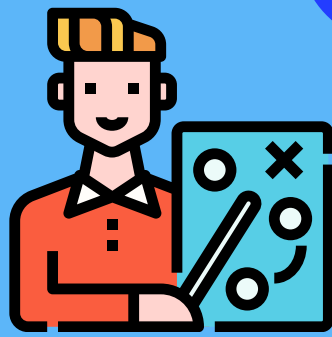


CREATE YOUR PRODUCT

A POWERPOINT OR USE CANVA TO PRODUCE A POSTER OR MAGAZINE. MAKE A WEBPAGE, VIDEO OR E-BOOK.

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STEP 01



WHAT TO INCLUDE

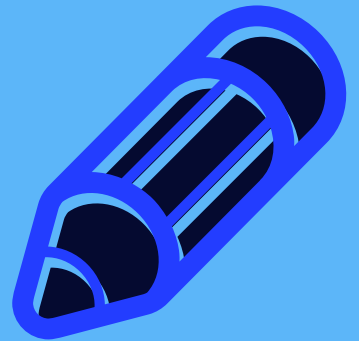
USE DATA (IN THE FORMS OF GRAPHS OR TABLES) TO SUPPORT YOUR WRITTEN WORK.

USE KEY SCIENTIFIC TERMS (DEFINING THEM WHERE NECESSARY) CONSIDER THE FINANCIAL AND ENVIRONMENTAL ASPECTS OF YOUR TOPIC

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STEP 02

STEP 03



DO YOUR RESEARCH

USE THE LINKS BELOW TO FIND RELEVANT INFORMATION FOR YOUR QUESTION. MAKE NOTES, USE MINDMAPS AND TABLES MAKE SURE YOU KEEP A LIST OF THE SOURCES USED .

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STEP 04

STEP 05



- [HTTP://HOME.CERN/ABOUT](http://home.cern/about)
- [HTTP://JOSHWORTH.COM/DEV/PIXELSPACE/PIXELSPACE_SOLARSYSTEM.HTML](http://joshworth.com/dev/pixelspace/pixelspace_solarsystem.html)
- [HTTP://CLIMATE.NASA.GOV/](http://climate.nasa.gov/)
- [HTTPS://MARS.NASA.GOV/INDEX.CFM](https://mars.nasa.gov/index.cfm)
- [HTTPS://WWW.NASA.GOV/](https://www.nasa.gov/)
- [HTTPS://WWW.ITER.ORG/](https://www.iter.org/)
- [HTTPS://WWW.RENEWABLEUK.COM/](https://www.renewableuk.com/)
- [HTTPS://WWW.FORMULA1.COM/](https://www.formula1.com/)
- [HTTPS://EXOPLANETS.NASA.GOV/](https://exoplanets.nasa.gov/)
- [HTTPS://EXPLORATION.ESA.INT/WEB/MARS/](https://exploration.esa.int/web/mars/)
- [HTTPS://WWW.HYPERK.ORG/](https://www.hyperk.org/)
- SIZING UP THE TOP QUARKS INTERACTION WITH THE HIGGS
- [HTTPS://PHYSICS.APS.ORG/ARTICLES/V11/56](https://physics.aps.org/articles/v11/56)
- WHY SOFT SOLIDS GET SOFTER
- [HTTPS://PHYSICS.APS.ORG/ARTICLES/V11/50](https://physics.aps.org/articles/v11/50)
- LISTENING FOR THE COSMIC HUM OF BLACKHOLES
- [HTTPS://PHYSICS.APS.ORG/ARTICLES/V11/36](https://physics.aps.org/articles/v11/36)