**Heritage College**

**2016**

**YeAR 8**

**Design & Technology**

**Storage/Display case**

**pROJECT**

**Resources**

**YeAR 8 Design & Technology Storage Case pROJECT**

**Design and Technology**

Technology = A product or process that is created to satisfy a want or a need

Design = creating a piece of technology that meets the requirements within the limitations

**What you learnt about design by making the biscuit cutter**

Use a simple design

Allow space for spotwelding

Measurement is imprtant

**Joining Techniques:**

Welding: <https://www.youtube.com/watch?v=TeBX6cKKHWY>

Soldering: Run to 3:10

<https://www.youtube.com/watch?v=T2wYgQtPg4g&ebc=ANyPxKpUFqv2goX4sPEVgUsX42S1t2QBoTx4RM_Vb5Lz1KIPB_rGj4ubMnwMvMSiCdbJLntBqEJl1Z8teS16lkshFXDnCOxdyw>

**YeAR 8 Design & Technology Storage Case pROJECT**

**rESEARCH pROJECT**

What is steel made from, where does the raw material come from and where is it manufactured?

<http://www.australianminesatlas.gov.au/education/fact_sheets/iron.html>

<https://en.wikipedia.org/wiki/List_of_countries_by_steel_production>

What effect does this have on Australia’s economy and our relationship with Asia?

<http://www.rba.gov.au/publications/bulletin/2015/sep/pdf/bu-0915-4.pdf>

<http://minister.industry.gov.au/ministers/pyne/media-releases/asian-steel-makers-face-anti-dumping-enquiry>

What are the basic steps of steel production?

<https://www.youtube.com/watch?v=9l7JqonyoKA>

What are the environmental considerations of steel use?

<http://www.changedesign.org/Resources/EDFPublications/Articles/Papers/Steel.htm>

<http://www.jernkontoret.se/en/the-steel-industry/production-utilisation-recycling/environmental-impact-of-the-processes/>

<http://www.greenspec.co.uk/building-design/steel-products-and-environmental-impact/>