

Teesside University is part of 'WARPit', an innovative **waste action reuse portal** - “matching staff with surplus resources to staff seeking resources”.

Using WARPit saves the University money and helps reduce our carbon footprint. Everything from office furniture, specialist equipment to stationery can be listed and claimed on Warpit. You can use WARPit via the following link: [register](#). For more information see: [Introduction to WARPit](#) For more information contact [Richard.cuthbert@tees.ac.uk](mailto:Richard.cuthbert@tees.ac.uk)

## TEESSIDE UNIVERSITY WARPIT REPORT – 22<sup>nd</sup> July 2016 (figures shown are since introduction of Warpit in February 2014)

**CO<sub>2</sub> Saved (KG)** **41,524 KG**

Carbon and other greenhouse gases given off in the manufacture of products. Every Item transferred using Warpit saves on carbon emissions because a new item does not have to be manufactured, transported and purchased. Using standard conversion figures we are able to calculate the estimated equivalent of carbon dioxide emissions. The conversion factors are calculated by Centre for Sustainability Accounting (GenSa), York, based on previous calculations by Stockholm Environment Institute (SEI), University of York.

**Waste Avoided (KG)** **11,832 KG**

This is a measure of waste being diverted into reuse rather than disposal. Each item that is transferred using WARPit is given an approximate average weight value (KG) based on a sector leading bulky waste guide. If the KG information for an item is not included in the reference document an average weight of the item is estimated using company specification data.

**Total Savings (£)** **£65,539.00**

Each item transferred on WARPit is given a replacement purchasing value. This is the cost of purchasing a new item. The value is derived from public sector priced catalogues. Each item is also given a waste disposal financial value related to its weight and volume. The total cost (£) saving is made up from internal trades, external inward trades and waste cost savings. This figure may also include the value (£) of time saved by staff, from avoiding the normal quote, purchase order and invoice process.

**Equivalent Trees Planted** **56**

Native broadleaf trees provide sustainable habitat for wildlife and enhance the natural landscape. These are therefore commonly used for carbon offsetting projects. Over the course of its lifetime a broadleaf tree absorbs on average 730KG.

**Cars off the Road for one Year** **18**

Using the total CO<sub>2</sub> saved on each transaction we can work out what the equivalent saving would be for taking a car off the road for one year. Based on a Ford Focus 1.6TDCi which emits 115g/KM (Source: Ford Motor Company), and assuming an average mileage of 12,000miles per year; a single vehicle would emit 2,300 KG of CO<sub>2</sub> per year.