

## Makerspace for Sustainability: university-community learning collaborations with RCE Severn

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REGIONAL CENTRE OF EXPERTISE  
ON EDUCATION FOR  
SUSTAINABLE DEVELOPMENT

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RCE Severn is integrated into the  
University’s Sustainability Strategy



# Regeneration Repair Cafe

## Monthly weekend repair café in Cheltenham

### RCE Partners:

- Vision 21 local sustainability charity
- Gloucestershire County Council waste team
- St Andrews church Cheltenham

**Curriculum Partner:** Product Design

### Aims:

- Inter-generational skills exchanges
- Learning how to repair items and save money
- Reducing waste to landfill for local waste targets
- Advice clinics on energy and gardening

<https://www.youtube.com/watch?v=Mwtbr4cUU10>



# Thread Counts

## Sustainable fashion and textiles Network

### RCE Partners:

- Stroud International Textiles
- Atelier co-working space, Stroud

### Curriculum Partner: Fashion Design

### Aims:

- Connecting local fashion creatives and businesses to advance sustainability
- Providing textiles and upcycling workshops for clothes and domestic fabrics
- Reviving local textile economy and supporting new creative entrepreneurs



# Sound Bites

## Creative sound and digital technology workshops

### RCE Partners:

- Pyka digital creative learning agency
- Gloucester Library
- Cheltenham Science Festival

**Curriculum Partners:** Creative Music Technology, Popular Music, Product Design

### Aims:

- Create and repurpose audio devices from waste
- Children make new and low cost instruments
- Exploring wearable technology and sustainability
- Engaging children with STEM skills



<https://www.wearepyka.com/news/introducing-soundbites/>



## Regeneration – Key Impacts



**In its first year up to August 2017, Regeneration's achievements include:**



416 items brought in for repair and 80% successfully repaired not sent to landfill



Over 500 local community visitors and 40 students actively learning how to repair



Special themed workshops on repair and reuse for IT, technology and clothing



Advice clinics on saving energy at home, composting, gardening and food waste

## Our Makerspace Principles

Learning workshops delivered in community settings

Students learn maker skills then lead the training

Practical impacts to support circular economy

All generations revalue unloved objects and learn together

People from diverse social groups collaborate on sustainability

Find out more:  
[www.sustainability.glos.ac.uk](http://www.sustainability.glos.ac.uk)



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