**Lessons and activities which can be offered by Biffa Leicester**

**For further details please contact:**

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**Nursery/EYFS**

**Michael Recycle**

Time 20 minutes without activity

 50 minutes with activity

Topics covered 3R’s- reduce, reuse, recycle

 What you can recycle and why

 The story of Michael recycle

 Superhero mask activity

Curriculum links **EYFS**

**Communication and language development** giving children opportunities to experience a rich language; to develop their confidence and skills in expressing themselves; and to speak and listen in a range of situations

**Understanding the world** guiding children to make sense of their physical world and their community through opportunities to explore, observe and find out about people, places, technology and the environment.

**Primary (KS1/2)**

**Reduce, Reuse, Recycle**

Time 40 minutes

Topics covered History of waste

 Landfill and timeline

 Reduce, reuse and recycle (3R’s activity)

 What you can recycle (recycling activity)

 What happened to your recycling?

 Why recycle?

Curriculum links **KS1 Science**

**Everyday materials**: Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock.

Describe simple physical properties of a variety of everyday materials.

Compare and group together a variety of everyday materials on the basis of their simple physical properties.

**Recycling journey**

Time 40 minutes

Topics covered What we collect in Leicester

 Facts about recycling

 Materials Recovery Facility (MRF)

 Aluminium loop activity

Curriculum links ***KS1 Science***

**Everyday materials**: Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock.

Describe simple physical properties of a variety of everyday materials.

Compare and group together a variety of everyday materials on the basis of their simple physical properties.

***KS2 Science***

**Forces and magnets**: Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.

**Living things and their habitats:** Recognise that environments can change and that this can sometimes pose dangers to living things.

**Composting**

Time 30 minutes

Topics covered What is composting?

 Why and how to compost

 Greens, browns and no-no’s

 Sorting activity

 Nature’s helpers

Curriculum links ***KS1 Science***

**Living things and their habitats**: Identify and name a variety of plants and animals in their habitats, including micro-habitats.

Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

***KS2 Science***

**Rocks:** Recognise that soils are made from rocks and organic matter

**Craft workshop**

Time 40 minutes

Topics covered Paper making

 Sock puppets

Curriculum links ***KS1 Science***

**Everyday materials:** Distinguish between an object and the material from which it is made.

Describe the simple physical properties of a variety of everyday materials.

Compare and group together a variety of everyday materials on the basis of their simple physical properties

**Secondary (KS3/4)**

**Leicester’s waste and MRF**

Time 50 minutes

Topics covered Leicester’s facts

 What is recycling?

 Waste diversion-MBT

 Technologies

Curriculum links ***KS3 Science***

**Earth and atmosphere**: Earth as a source of limited resources and the efficacy of recycling. The production of carbon dioxide by human activity and the impact on climate.

***KS4 Science***

**Earth and atmospheric science:** Common atmospheric pollutants: sulphur dioxide, oxides of nitrogen, particulates and their sources.

***KS3 Geography***

**Human and physical geography**: Understand how human and physical processes interact to influence, and change landscapes, environments and the climate; and how human activity relies on effective functioning of natural systems.