

THE AIM OF THIS RESOURCE IS TO SUPPORT YOU TO DELIVER A RANGE OF LESSONS, MAKING CARDBOARD CASTLES WITH CHILDREN IN THE CLASSROOM OR PLAYGROUND, TO CREATE IMAGINARY WORLDS, PERFECT FOR STORYTELLING.

Castle building creates the opportunity to make cross curricular links, including literacy and numeracy. This can be embedded in all stages of the project from planning to completion.

LOST CASTLES PROJECT

This resource has been inspired by Lost Castles project devised by the French artist Olivier Grossetete (check out his Facebook) who for one week in August (6th-12th 2018), will work with six communities in Knowsley, Halton, Sefton, Liverpool, St Helens and the Wirral. He will recreate 'Lost Castles' from each area. Each extraordinary structure will be built by the communities and made entirely of cardboard boxes at a huge scale.

For St Helens, the Old Castle Stuttgart (Stuttgart is St Helens Twin Town) located on the Schillerplatz in Germany will be re-created and built on 10th August and demolished on 12th August. The castle, originally a water castle dating back

Building, making and thinking using cardboard and other found objects is a great way to talk about recycling, reimagining and repurposing materials found in our daily lives.

The cardboard castles range from tiny ant size to huge outdoor creations that the whole school can be involved with. Use the films on the Heart of Glass website for support. They demonstrate how simple and effective structures can be built with a few simple materials and your imagination!

to the 10th Century, was the residence of the Counts and later some Dukes of Württemberg and today is the home of the Landesmuseum Württemberg. The castle church still functions as a place of worship.

Building this magnificent castle in St Helens explores the ideas of European connectivity and celebrates the extraordinary story of Stuttgart and St Helens - the first post-war twinning arrangement between a British and a German town - when the then Mayor of St Helens, Alderman Walter Marshall, became the first British civic leader to visit the city of Stuttgart, which lay in ruins following the war in 1948.

www.lostcastles.co.uk



 WHERE TO VIEW
THE RESOURCE VIDEOS:

www.heartofglass.org.uk/project/schools-and-colleges-programme

TOWN-TWINNING: ST HELENS AND STUTTGART

There is a long history of inter-municipal links, cooperation and friendship beginning when they became one of the first European town-twinning partnerships after World War II. In 1948, Dr Arnulf Klett, the Lord Mayor of Stuttgart was keen to establish positive links with Britain and reached out to St Helens through the son of an acquaintance. After receiving the invitation, Walter Marshall, Mayor of St Helens, wrote in a local newspaper that he was "honoured to have had the privilege of being the first British Mayor to receive an invitation to visit Germany in an official capacity." He arrived in Stuttgart on 27th August 1948. While there, the St Helens Mayor met with dignitaries and businessmen and also

witnessed the devastation of Stuttgart in the aftermath of the war. In the first speech to a German City Council by a British Mayor, Walter Marshall offered the friendship of St Helens to the City of Stuttgart. Arrangements were then made for "consignments of sheet glass and wine bottles" to be sent from St Helens to Stuttgart to help rebuild the city. There are still strong links between St Helens and Stuttgart and 2018 marks the 70th anniversary of the twinning.

Historical documents relating to the twinning are held in St Helens Local History & Archives. To find out more visit www.sthelens.gov.uk/history

AREAS OF THE CURRICULUM KS1 & KS2

Using the videos as guidance you can choose the level of ability, timeframe and cross curricular opportunities depending on KS1 or KS2 and where it fits into your termly planning.

Making links with planning, construction, fixing, design, purpose, labelling and evaluation will give a rounded learning experience that can cover speaking and listening especially if done in small group work.

Literacy

Allows for speaking and listening to thrive, enables space to work within a different environment, especially in the classroom den. Try working differently in the classroom when the pupils create their own space...cardboard tubes can be cable tied to desks so written work can still happen but within a space created and owned by the pupils involved.

Design & Technology

- Structures (freestanding)
- Mechanisms (sliders and levers)

Numeracy

- Measuring sides, surfaces and angles
- Calculating the length of materials used and keeping a log
- Mini designs can be built and scaling up is possible at KS2. 1m = 10cm is a good simple scale to play with.

History & Geography

- Castles and structures
- St Helens heritage and 150th anniversary
- European history - Stuttgart

Art & Design

- Study of the artist: Oliver Grossetete
- Architecture Sculpture (check out other like The Dream)
- In our experience some pupils thrive when working in 3D and late scale projects.

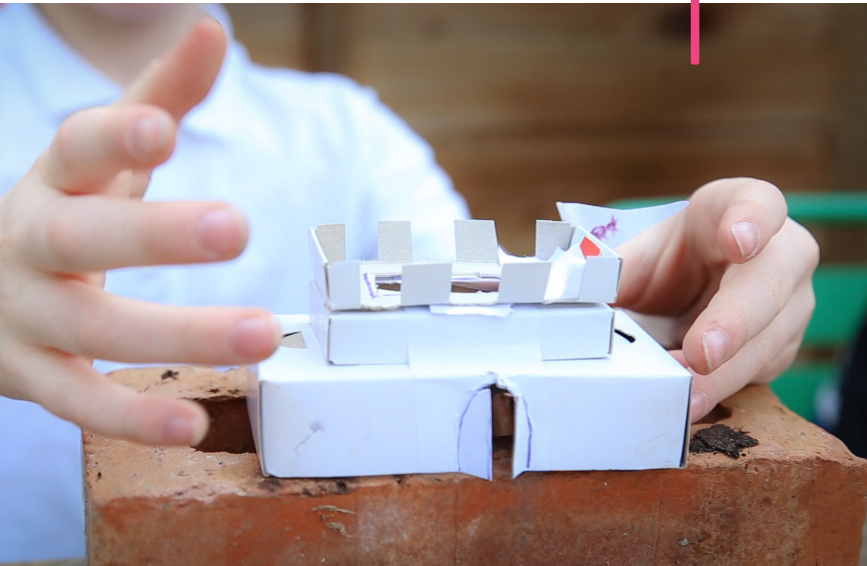
You may find that some children who feel pressure to be able to draw or paint accurately find building and making more satisfying and intriguing once they start to construct.



MATERIALS LIST

- **Cardboard tubes** can be found in fabric shops or carpet stores and are usually free
- Large **army parachutes** can be purchased from here dasoutdoors.co.uk
- **Umbrellas** can be bought online in bulk, Ikea family sell ones for under £2, as a staff team you could probably build a good amount of different sizes and colours
- **Large pieces of cardboard**, its worth asking local businesses to see if they can help provide packaging sized pieces, as always, its worth asking parents!

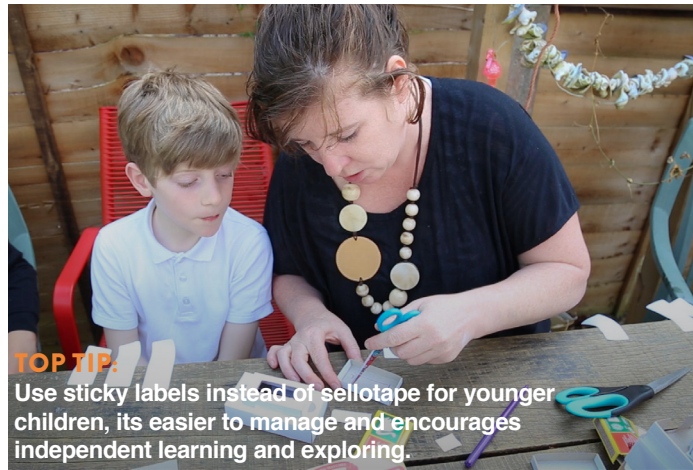
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TOP TIP:
Match boxes work really well.

ANT CASTLE

The ant castle workshop gives you the chance to work in a small manageable scale. Any small boxes will do but I used match boxes so that we had the option to use the inner box as well as the outer box. This resource gives you the added chance to head outdoors and look at insects and bugs life. Cover in PVA if you intend to leave them outdoors!



TOP TIP:
Use sticky labels instead of sellotape for younger children, its easier to manage and encourages independent learning and exploring.



2

PLAY CASTLE

The play castle workshop was delivered to parents and children and is a great project that can work in small groups. Its the perfect example of using cardboard construction, paper and glue and so can be adapted within DT for example, Stone-age, Pudding Lane, or Egyptian construction.



TOP TIP:
Connect and collect recycled boxes.



TOP TIP:
Use a cardboard base to build from.



TOP TIP:
Cover every area with PVA and paper to make it as strong as possible.

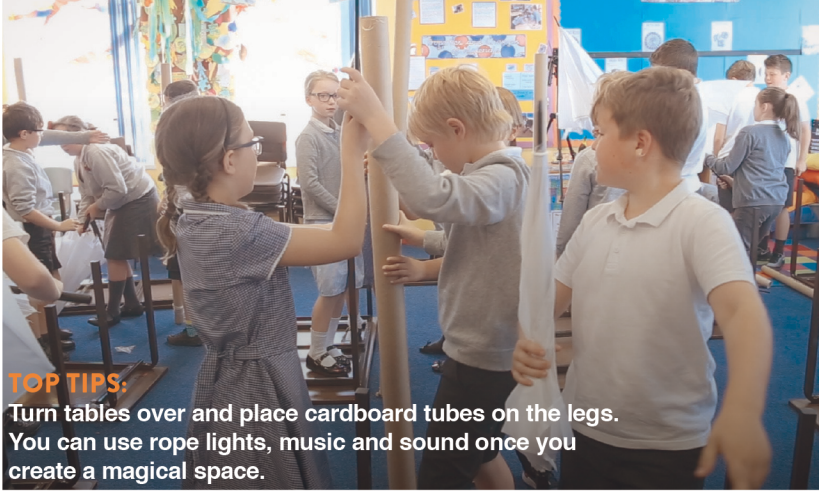


TOP TIP:
Kitchen Roll or paper napkins are more absorbent than newsprint or tissue paper.

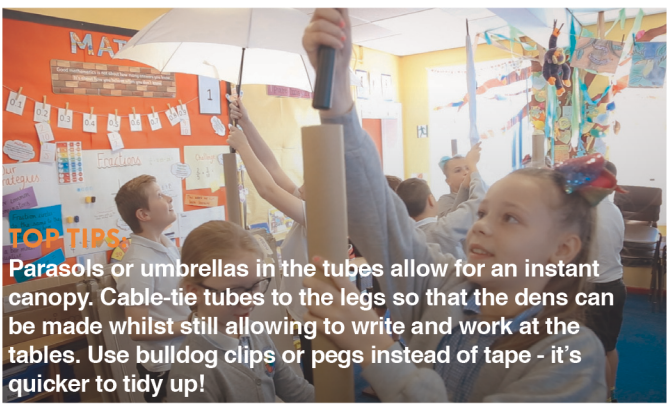
CLASSROOM CASTLE

Using the basics of tubes, umbrellas, parachute the classroom den can be anywhere and anything you want it to be! We used large pieces of card to allow the pupils to build and adapt their own castles in teams, but using lighting and sound and a projector, you can be anywhere allowing their imaginations to flourish!

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TOP TIPS:
Turn tables over and place cardboard tubes on the legs. You can use rope lights, music and sound once you create a magical space.



TOP TIPS:
Parasols or umbrellas in the tubes allow for an instant canopy. Cable-tie tubes to the legs so that the dens can be made whilst still allowing to write and work at the tables. Use bulldog clips or pegs instead of tape - it's quicker to tidy up!

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PLAYGROUND CASTLE

Working outdoors with cardboard obviously has its drawbacks with the British weather! Changing the shape of the card and creating 3D shapes will allow you to sculpt shapes around benches, lampposts or climbing frames. If you use clingfilm or sticky plastic as a coat before then covering with muslin and PVA glue you can create a strong structure for a temporary installation.

TOP TIPS:
You can use parasol bases weighted down with sandbags or filled with water to create a solid frame. And remember Old PE equipment is a good frame to build with.

TOP TIPS FOR CASTLE BUILDING

- You will probably need less materials than you think!
- Cardboard tubes are free from most fabric carpet shops
- Gather umbrellas from staff to feed a new den kit
- Use second-hand Army parachutes to cover vast areas, much larger than play parachutes and can be cut in half.
- White parachutes are useful to project images and film.

FOLLOW UP LESSONS...
Recycling and the environment lesson, looking at the packaging that comes in and out of school/home.

PUPILS RESEARCH:
Looking at what designers, artists and architects are making with cardboard

Artsmark
This resource is a great resource for Schools wanting to begin or who have already started on their Artsmark journey. Artsmark is the creative quality standard for schools, accredited by Arts Council England. It provides a clear framework for teachers to plan, develop and evaluate arts, culture and creativity across the curriculum.
www.artsmark.org.uk

This resource is part of **Heart of Glass' Schools and Colleges Programme**. Cathy Cross is Artist in Residence: Schools and Colleges and is working across schools in St Helens. For more information email cathy@heartofglass.org.uk
www.heartofglass.org.uk