

Parent and Carer Information: Key Stage 2 Design and Technology (Ages 7 - 11)

This guide helps you to track the progress of your child as they develop through the subject of design and technology in years 3 to 6. During this time, children learn the key skills that form the basis of their design and technology education, including designing products and using tools as well as food and nutrition. Practising these skills at home can be a great way to boost your child's confidence and complement what they learn in the classroom.

This guide outlines how you, as parents and carers, can best support your child's design and technology journey, with an easy-to-follow flowchart of what they will learn and clear goals for you to work on together.

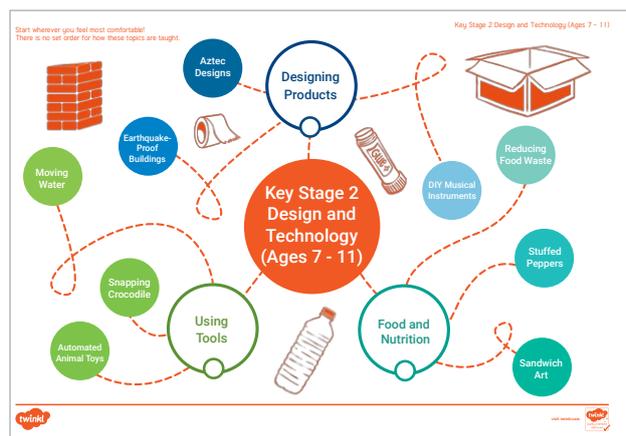


Alternatively, you can follow the web url www.twinkl.co.uk/resources/parents to get to the Twinkl Parents Hub.

We have also included handy tick boxes, so you can easily check off when you have covered each topic, and you can keep on track with your child's studies. You can also use the 'traffic light' system to record your child's confidence, and how they feel about the topic you have covered together.

Stick the other pages together to create a display poster for both you and your child to fill in. Complete with handy tick boxes, this chart is ideal for helping to support your child's studies from home.

- I feel unsure about this.
- I feel okay about this.
- I feel confident about this!



We hope you find the information on our website and resources useful. The contents of this resource are for general, informational purposes only. This guide is intended to offer parents general guidance on what subject areas tend to be covered in their child's year group and where they could support their children at home. However, please be aware that every child is different and information can quickly become out of date. There are some subject areas that we have intentionally not covered due to the nature of how they are taught or because a trained professional needs to teach these areas. We try to ensure that the information in our resources is correct but every school teaches the national curriculum in its own way. If you would like further guidance or are unsure in any way, we recommend that you speak to your child's teacher or another suitably qualified professional.

Designing Products

Your child will develop their ability to design items for particular individuals or groups and present this design in a range of ways, such as diagrams, models, annotated sketches and patterns.

Aztec Designs

Challenge your child to make annotated design sketches and sensible design decisions as they create their own Aztec designs. Encourage your child to make a design for a friend or relative. You could laminate the finished design and use it as a drinks coaster.

Earthquake-Proof Buildings

Use this activity to explore different types of earthquake-proof buildings from across the globe. It can help your child to understand why some groups of people might need differently designed homes or buildings. Your child will consider the reasoning behind the designs before drawing their own design.

DIY Musical Instruments

Your child can make their own musical instruments using recycled materials for their very own musical performance!

Using Tools

Children will begin to make products using an increasingly wide range of tools and materials, taking care to make the item work well (functional) and look good (aesthetic). The skills of evaluation and improvement are also learnt at this stage. Children use different mechanisms and work to improve them and may incorporate simple electrical circuits (powered by battery) as part of some projects.

Snapping Crocodile

Have fun making a snapping crocodile and the mechanism to control it. Your child can then work on its appearance - painting brightly, adding teeth that fit together and scary eyes.

Automated Animal Toys

Children often make automated toys at primary school. Exploring how cams work is a key part of this process. Why not try making and testing cams at home using simple mechanisms made from corrugated cardboard?

Moving Water

Making a shaduf (a hand-operated machine used by the ancient Egyptians to transport water) with everyday materials is a great task that links to history. Develop your child's skills of evaluation and improvement by trying to make the shaduf spin round to move the water further.

Food and Nutrition

As part of their work with food, children will be taught how to cook and apply the principles of nutrition and healthy eating. The emphasis is on learning where a variety of foods are grown and incorporating healthy eating into savoury dishes.

Stuffed Peppers

Stuffing peppers is a great cooking task that allows you to talk to your child about fresh ingredients. They can select a variety of materials, testing out which stuffed pepper tastes best. These detailed instructions allow for a choice of vegetables in the ingredients list.

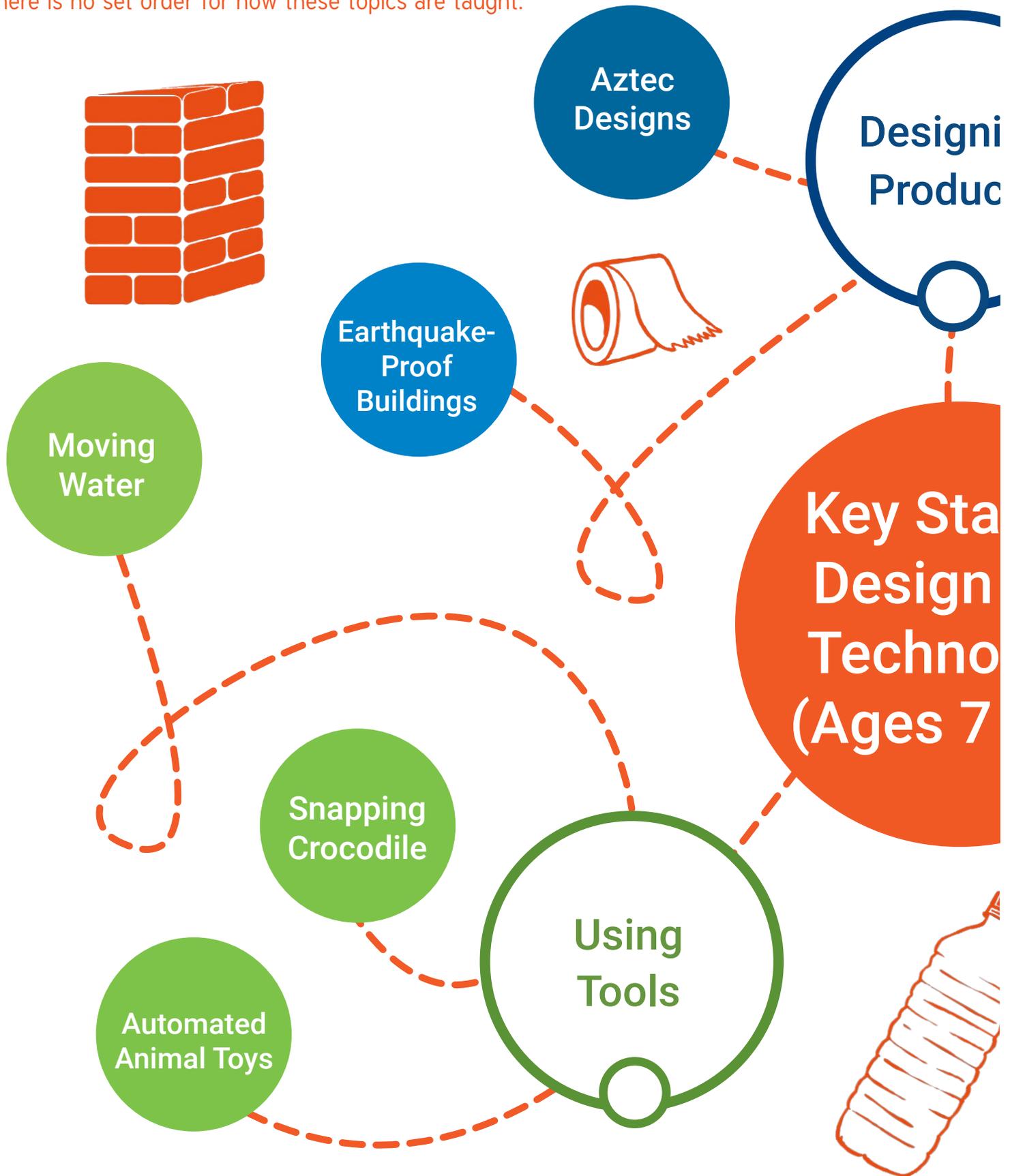
Sandwich Art

Explore the world of food shapes and patterns by designing a creative sandwich. The different possibilities are endless. Once they've finished their design, check it's healthy and then your child can make the finished product.

Reducing Food Waste

This simple recipe allows your child give leftover vegetables a new lease of life by making a delicious soup.

Start wherever you feel most comfortable!
There is no set order for how these topics are taught.



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Products



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Explore and Discover More

Twinkl Go! is a digital platform, hosting interactive content such as videos, games, audiobooks and more. Twinkl Go! enables digital content to be streamed to your computer or mobile device.



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Book Club

Twinkl Book Club is our book subscription service. Enjoy our original works of fiction in beautiful printed form, delivered to you each half-term and yours to keep!

Twinkl Boost is a range of intervention resources, created to support and lift learning with children at every level. These include our easy-to-use SATs and Phonics Screening resources.



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imagine

Imagine resources are designed to help your children to think creatively, question and imagine. Every week, a new topic consisting of five photos, each with related activities, is created.



Twinkl Originals are engaging stories written to inspire pupils from EYFS to KS2. Designed to encourage a love of reading and help curriculum-wide learning through accompanying resources.



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KIDS' TV

Twinkl Kids' TV is our wonderful YouTube channel dedicated to fun and informative video-style resources full of new and creative activities you can try at home!