

Expectations in Design Technology during Remote learning

Curriculum Intent during Remote learning- the reason for learning remotely

Due to the pandemic, the number of students/pupils and staff in the school building is reduced and therefore many of our students/pupils will be learning at home. This grants many opportunities in Design Technology, to gain a deep understanding of how design and technology impacts everyday life at home. Future employment and access to the wider world around us is heavily influenced by the ability to think like a designer. To analyse, design, build, test and evaluate, constantly refining the solution in order to find the best outcome. In addition Cooking and Nutrition also form part of the DT curriculum offer, which in turn strengthens our students'/pupils' life skills; in preparing a meal for themselves, learning about safety in the kitchen and home environment. These too are invaluable skills which can be transferred to the workplace in later life with an increased awareness of risks and prevention.

What will remote learning look like in the subject?

As well as families being encouraged to access APPs and websites as suggested below, each class manager will have an individualised approach for every learner. For example the class may be working on a topic and have different areas to report back on in order to create a collective outcome. A parent/carer might have a specific request such as; 'my child is really interested in cars'. In order to engage and motivate the child it is important that they can develop an area of expertise around a subject of their own interest. This can be further supported by using the APP 'Hello Genius' which allows children to have a focus subject (safe curated videos and information) which then links into other themed areas.

Not all families are keen to access screens regularly, so a range of off-screen activities has also been shared. This will begin with developing fine motor tasks in order to achieve the precision required in making and designing as well as learning to follow instructions in order (often with a visual support) Learning off screen can take the form of a 'treasure hunt' around the house- find me 5 things made of plastic, wood, etc.

Encouraging observation of how things at home work and the opportunity to safely dismantle an object they are curious about are all valid

explorations. Reassembling the item and also fixing things are also very important skills which will benefit the students/pupils in their life.

Cooking and learning to follow recipes and be safe in the kitchen also form part of the DT curriculum. Parents/carers can access recipes and cook-alongs with the links below as well as being able to ask school to provide recipes in accessible formats for their child to follow. Learning about safety in the home is an invaluable skill, cooking for the family is creative, fun, educational and delicious.

Resources

The following are a list of websites which can be accessed remotely by families.

In addition, school has access to Purple Mash which has a cooking section about making healthy choices and a range of designing APPs such as building a car, robotics, moving a bee bot and information about different technological pioneers.

<https://www.bbc.co.uk/cbeebies/curations/easy-cooking-with-kids-recipes>

Easy recipes with some video clips to support

<https://www.tinkercad.com/>

Resource for CAD- mostly for the older student/pupils as its quite precise, but good fun and could be a joint project with parents too. Lots of different tech drawings to adapt. Easy and free to set up an account.

<https://www.bbc.co.uk/bitesize/subjects/zvg4d2p>

Secondary DT via BBC bitesize

<https://www.bbc.co.uk/bitesize/subjects/zyr9wmn>

KS2 via BBC Bitesize

<https://www.bbc.co.uk/bitesize/subjects/zb9d7ty>

KS1 via BBC bitesize

<https://www.theschoolrun.com/5-at-home-design-and-technology-projects-for-primary-children>



[Design & technology projects to do at home | D&T primary projects | TheSchoolRun](#)

Design and technology is part of the national curriculum. Teacher and parent Phoebe Doyle offers some practical D&T project ideas and suggestions to help your child get hands-on, boost their confidence and have fun (and make mess!) with materials at home.

www.theschoolrun.com

Ideas for home projects:

<https://www.twinkl.co.uk/resource/ff-t-2548953-exploring-technology-home-learning-challenges-nursery-fs1>

In addition, if requested, all of the DT topics have a CIP accessible book which can be emailed to parents/carers, as well as books about different DT diversity heroes. These books can either be used to spark interest in a particular subject area, to further existing knowledge or to act as a springboard for further research. The DT co-ordinator has made these available to all staff.

Please see the APPs listed at the end of this document.

How will work be assessed?

Work will be assessed by the child's class teacher using the BSquared system of either Progression steps, Engagement steps, Engagement model observations and Early Years.

The work may be submitted as photographs on Earwig with accompanying 'design, make, evaluate' process or observed by class staff using Teams face to face meeting. In addition, parents/carers may send completed work into school which will then be quarantined for the appropriate time period (72 hours) before being assessed.

If a child has completed a longer making process such as cooking from scratch or designing and making a winch mechanism, photographs of each of the vital stages and observations from parents/carers about how the child accomplished each step with the level of support given will also inform the assessment of the finished product.

How will feedback been given to pupils/students and parents/carers?

Work can be celebrated on the School's Facebook page (with parental/carer consent given). In addition written feedback can take place on the Earwig platform. Verbal feedback can be given over Teams.

For parents/carers not accessing Earwig, email correspondence or phonecalls can be used to relay feedback on their child's work. Where work has been returned to school, it can be stored appropriately and marked according the the School's Marking Policy.

Suggested APPs:

Design & Technology

Here are some apps to help in teaching design & technology:

Most recent ▾

PAGE: 1 | 2 | (2 pages / 13 results)

Toca Builders



Fun ⁽²⁾
● ● ● ● ●

Skills Development ⁽²⁾
● ● ● ● ●

Ease of Use ⁽²⁾
● ● ● ● ●

[More Details](#)

What our Experts Liked

Toca Boca have again managed to create something unique and truly engaging with Toca Builders... [more >](#)

Create A Car



Fun ⁽²⁾
● ● ● ● ●

Skills Development ⁽²⁾
● ● ● ● ●

Ease of Use ⁽²⁾
● ● ● ● ●

[More Details](#)

What our Experts Liked

The Create a Car game allows children to use their imaginations to design their own... [more >](#)

Princess Drawsalot And The Dragon

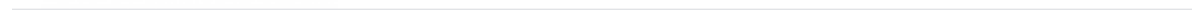


Fun ⁽²⁾
● ● ● ● ●

Skills Development ⁽²⁾
● ● ● ● ●

Ease of Use ⁽²⁾
● ● ● ● ●

[More Details](#)



CBeebies Playtime



More Details

What our Experts Liked

Children will love playing games with the familiar CBeebies characters, and CBeebies Playtime covers a... [more >](#)

LEGO Movie Maker



More Details

What our Experts Liked

A brilliant app for children. Children create their own lego movies using the camera on... [more >](#)

The Right Way - Premium



More Details

What our Experts Liked

The children enjoyed the app and thought the robot was funny! It encouraged their strategic... [more >](#)

Toy Repair Workshop



More Details

What our Experts Liked

Children will practice their logical thinking skills to work out which pieces match the broken... [more >](#)

Happy Studio - McDonald's Happy Meal app



Fun ②
Skills Development ②
Ease of Use ②

[More Details](#)

What our Experts Liked

We love the huge range of games available in Happy Studio because this gives children... [more >](#)

Fiete Cars



Fun ②
Skills Development ②
Ease of Use ②

[More Details](#)

What our Experts Liked

Our testers enjoyed being able to build their own track designs, and have the chance... [more >](#)

Skyscrapers



Fun ②
Skills Development ②
Ease of Use ②

[More Details](#)

What our Experts Liked

Skyscrapers by Tinybop is a bright and well animated app with a host of play... [more >](#)

Night Zookeeper



Fun ②
Skills Development ②
Ease of Use ②

[More Details](#)

What our Experts Liked

Night Zookeeper is a fabulous tool for schools. It encourages children's creative writing and wider... [more >](#)

Easy origami for kids - paper folding crafts for children



Fun ②
Skills Development ②
Ease of Use ②

The Robot Factory



Fun ②
Skills Development ②
Ease of Use ②

[More Details](#)