**Design and Technology- Intent, Implementation and Impact**

**Intent**

At Cambois Primary School we strive to design and deliver a Design Technology curriculum which is inspiring and practical. We want our children to use creativity and imagination whenever possible in order to be able to design and make products, models and structures that solve real and relevant problems, whilst also taking into account their individual needs, wants and values as well as the needs of others.

We intend for every child to have the opportunity to acquire the appropriate skills, knowledge and understanding defined in the National Curriculum and set out in the cornerstone’s curriculum. We intend to achieve this through delivering a deep understanding of the subjects skills and knowledge whilst also making strong cross curricular links with other subjects such as Math, Science, Art and Computing.

The Design and Technology curriculum in Cambois has been designed and planned to provide the children with a sense of responsibility but also to give them opportunities and experiences they will need to be successful later in their life.

**Implementation**

DT is a vital part of school life and it is for this reason that as a school team we are dedicated to planning and delivering a high quality DT curriculum. The way in which we implement this is through knowledge rich driver and companion projects. All topics are systematic, sequential, cross-curricular and most importantly progressive. Children’s skills and knowledge development is clearly set out from EYFS to Year 6. This is broken down into terms, so class teachers and parents are able to see what each year group is learning/ being taught and when, but also ensures that all aspects of the DT curriculum are being covered evenly to deepen the children’s understanding. This allows for progression across year groups in all areas of DT. All the topics are well planned and resourced to ensure that we are providing the children with a range of hands-on and enriching experiences. The topics are designed to ensure the children are covering a variety of skills in detail and receiving knowledge rich learning to ensure children are aware and equip of the health and safety issues related to the tasks undertaken. Teachers follow the cornerstones’ structure which follows a familiar four stage learning pedagogy; Engage, Develop, Innovate and Express, as well as including a memorable experience and an introductory knowledge lesson to equip children with the information they need before studying a new topic in depth.

DT lessons are taught as a companion project to History or Geography and Art. Each topic from Year 1 to Year 6 addresses the key principles of designing, making and evaluating set out in the National Curriculum whilst also incorporating the relevant technical knowledge.

**Impact**

Children will have clear enjoyment and confidence in DT which they will then apply to other areas of the curriculum creating cross curricular links. As DT is a companion project the skills they use will be linked/used heavily in the driver projects. The pupils of Cambois can not only develop a deep understanding of the skill but will also develop the creative, practical and technical skills and expertise needed to perform everyday tasks with confidence but to also be able to participate successfully in a heavily technological world. The skill-based curriculum will also ensure they are equip to take on further learning as they move through the school and onto High School. Pupil’s skills and knowledge are assessed ongoing by the class teacher, throughout lessons through the use of observation, questioning and assessing the children’s work. Teachers use the DT knowledge and skills progression documents to assess the children’s progress. This then informs teachers and the DT lead of any further areas of the curriculum the children may need to develop or need support with. But also allows the DT leader to identify any areas staff may require training.

Signed: Jodie McCloskey

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