

Design & Technology Curriculum Policy

Intent

"The innermost value of life is deep silence. From it arise the various areas of activity, tiny to tremendous activity. All these areas of life are integrated and perfectly coherent when the inner depth of consciousness, which is pure consciousness, shakes hands with the outer dynamism of great activity. This is brought about by Transcendental Meditation." Maharishi Mahesh Yogi

"The reservoir of energy and intelligence is at the source of thought. It's obvious that whatever energy and intelligence is displayed through our action, it all comes through our thinking - thinking is the basis of action - and whatever energy and intelligence is displayed in thinking originates from the source of thought. The secret of success is in handling the source of all energy." Maharishi Mahesh Yogi

At Maharishi School we strive for each child to reach the full potential of their creativity and their creative intelligence. We do this by practising Transcendental Meditation and Word of Wisdom and by following the path of Consciousness-based education, applying Maharishi's principles of teaching.

Design & Technology education is naturally interwoven with the fundamental aspects of Consciousness-based education:

- **Receptivity**: Children explore and take in the world around them, they observe the work of engineers, designers and manufacturers. They research and evaluate existing products and gather information about the needs of the **user** and the **purpose** of the products they will be designing.
- **Intelligence**: Pupils' intelligence enables them to assimilate and integrate the information they have gathered, building up and organising their knowledge.
- **Knowledge**: With this knowledge, they are able to make **design decisions** in order to optimise **functionality**, **innovation** and **authenticity** of their products.



- **Experience**: Guided by their knowledge, children select materials and tools, make prototypes, and test their designs. This lets them experience aspects of all 4 worlds *physical* (the materials and tools they are working with, their prototypes and final products), *mental* (exploring their mental images derived from their research into users' needs, as well as their ideas about functionality, innovation etc.), *social & cultural* (influences from existing products and designs from around the world, collaborative work, peer review etc.) as well as the *transcendental* world (when they work intuitively and access deeper levels of creativity, made possible by TM and WoW)
- **Expression**: Children are able to express themselves and their knowledge throughout the **design** and **making** processes. They also test and **evaluate** their products, leading to improvement and truly personal outcomes.

The 'design - make- evaluate' process of D&T also aligns with Consciousness-based education in the cycles of

Knowledge - Action - Achievement - Fulfilment

Essentially, each project involves the acquisition of knowledge and a process whereby this knowledge is put into action (such as designing, prototyping, testing etc.). The result is a finished product and a sense of achievement. Achievement leads to fulfilment and celebration of pupils' work (e.g. exhibition, assembly, rewards).

At Maharishi School we strive for each child to be able to:

- develop confidence in designing, making and evaluating products in line with the six key Design and Technology principles:
 - User
 - Purpose
 - Functionality
 - Design Decisions
 - Innovation
 - Authenticity



- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users
- design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values
- be challenged and inspired to create and experience high quality design and technology projects
- learn how to take risks
- critique, evaluate and test their ideas and products and the work of others

Our school aims to deliver Design and Technology lessons guided by the following six principles as agreed by The National Curriculum 2014 and the National Curriculum Expert Group for Design and Technology:

User: Pupils should have a clear idea of who they are designing and making products for, considering their needs, wants, values, interests and preferences. The intended users could be themselves or others, an imaginary or story-based character, a client, a consumer or specific target group.

Purpose: Pupils should be able to clearly communicate the purpose of the products they are designing and making. Each product they create should be designed to perform one or more defined tasks. Pupils' products should be evaluated through use.

Functionality: Pupils should design and make products that work/function effectively in order to fulfil users' needs, wants and purposes.

Design decisions: Pupils need opportunities to make their own design decisions. Making design decisions allows pupils to demonstrate their creative, technical and practical expertise, and draw on learning from other subjects. Through making design



decisions pupils decide on the form their product will take, how their product will work, what task or tasks it will perform and who the product will be for.

Innovation: When designing and making, pupils need some scope to be original with their thinking. Projects that encourage innovation lead to a range of design ideas and products being developed and are characterised by engaging open-ended starting points for learning.

Authenticity: Pupils should design and make products that are believable, real and meaningful to themselves and others.

Implementation

"Knowledge always has a purpose. The purpose of knowledge is effective action. The purpose of effective action is achievement; the goal of achievement is fulfilment. So the purpose of the knowledge is ultimately the fulfilment of the knower." Maharishi Mahesh Yogi

EYFS

Our EYFS provision is based on 'Working with the revised Early Years Foundation Stage: Principles into Practice' by Julian Grenier.

Design & Technology is interwoven in many aspects of early development, for example:

'Physical Development':

- provision of a wide range proprioceptive and tactile inputs
- refinement of motor skills through safely using a range of materials and tools
- supports awareness of two sides of the body, motor planning, eye-hand coordination and visual-spatial perception

'Language and Communication':

- talking about their work, checking understanding, articulating ideas and thoughts, new vocabulary, etc

'Understanding the World'

- exploring the natural world through observing and investigating materials and their properties.



We provide children with a range of materials to construct with, encourage them to think about and discuss what they want to make, discuss problems and how they might be solved as they arise, and we reflect with children on how they achieved their aims.

Design:

Children begin to use the language of designing and making, e.g. join, build and shape. They learn about planning and adapting initial ideas to make them better.

<u>Make</u>:

Children learn to construct with a purpose in mind. They select tools and techniques needed to shape, assemble and join materials.

<u>Evaluate</u>:

Children begin to talk about changes made during the making process, e.g. making a decision to use a different joining method

Technical Knowledge:

Children begin to understand some of the tools, techniques and processes involved in food preparation. They have basic hygiene awareness.

Children learn how to use a range of tools with care and precision, e.g. scissors, hole punch, stapler. They learn how everyday objects work by investigating them.

KS1 and KS2

Our KS1 and KS2 Design & Technology curriculum is based on the D&T Association's progression framework, the National Curriculum and the Key Learning Documents by Lancashire Curriculum Advisory Team. It covers the areas of

- Structures
- Mechanisms
- Mechanical Systems
- Electrical Systems
- Textiles

with ICT being an integral part of various projects.



Through our curriculum, our pupils engage with the core activities of D&T:

Design

- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups;
- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design (CAD).

Make

- select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing), accurately;
- select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic.

Evaluate

- investigate and analyse a range of existing products;
- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work;
- understand how key events and individuals in design and technology have helped shape the world.

Technical Knowledge

- apply their understanding of how to strengthen, stiffen and reinforce more complex structures;
- understand and use mechanical systems in their products (for example, gears, pulleys, cams, levers and linkages);
- understand and use electrical systems in their products (for example, series circuits incorporating switches, bulbs, buzzers and motors];
- apply their understanding of computing to program, monitor and control their products.



Equal opportunities and inclusion

All children from all backgrounds have equal access to our D&T curriculum and we aim to provide suitable learning opportunities regardless of gender, ethnicity or home background. We adapt our teaching to meet pupils' individual needs so that each child can reach their full potential. We identify SEND and AGT and provide suitable learning challenges within our projects.

An integral part of our D&T provision is also to teach our pupils how to use tools and materials safely and how to care for equipment and for the environment.

Our curriculum plan: 🗖 Design & Technology Long Term Plan

Progression framework: Progression Framework KS1 KS2.pdf

Guided by the National Curriculum, the D&T association and the Lancashire Key Learning Documents, our planning reflects the progression of skills from EYFS to the end of Key Stage 2 and **all planning is available in the Primary Staff shared drive**: <u>D&T resources</u>



MAHARISHI SCHOOL CONSCIOUSNESS - BASED EDUCATION

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|--------|--|--|---|--|--|---|
| | AUTUMN 2 | Key Learning | SPRING 2 | Key Learning | SUMMER 2 | Key Learning |
| YEAR 1 | MECHANISMS SLIDES AND LEVERS SLIDES AND LEVERS • WORKING WITH SLIDERS AND LEVERS • MONING PICTURES (LINKS TO LITERACY) | GENERATING, MODELLING AND COMMUNICATING IPEAS. PLANNING MAKING. PLANNING TOLIS AND USING FINISHING TOCIS AND USING FINISHING TECHNIQUES. EXPLORING BOOKS AND PRODUCT AGAINST ORIGINAL CATTERIA. EXPLORING SULDERS AND LEVERS. UNDERSTANDING TYPES OF MOVEMENT: TECHNICAL VOCABULARY. | STRUCTURES FREESTANDING STRUCTURES - WHARE HOME? - CHAIRS FOR THREE BEARS - LET'S GET BUILDING AND USING CONSTRUCTION KITS EFFECTIVELY - DOOR HINGES HELPSHEET | GENERATING DESIGN IDEAS; DEVELOPING MODELLING AND EXPLANING USING TALK, MOCK-UPS AND PRAVING; DLANINIG MAKING; PLANING TOOLS AND NEW AND RECYCLED MATERIALS; USING FINISHING TECHNIQUES; EXDORING STRUCTORES; EVALUATING THEIR OWN CRITERIA. KNOW ABOUT STRUCTORES; MOWLEDGE OF VOCABULARY; | TEXTILES TEMPLATES AND JOINING TECHNIQUES • THREE BEARS' PICNIC BLANKET | GENERATING DESIGN IDEAS; DEVELIDPING MODELLING AND EXPLANING USING TALK, MICK-UPS AND PDAWING. PLANING MAKING. PLECTING TOOLS AND NEW AND RECYCLED MATERIALS; USING FINISHING TECHNIQUES. EXPLORING ENTRUCTURES; USING STRUCTURES; EVALUATING THEIR OWN PROUCTS AGAINST ORIGINAL CRITERIA. KNOW ABOUT KNOWLEDGE OF VOCABULARY. |
| YEAR 2 | MECHANISMS WHEELS AND ÅXLES • TOYS • LET'S LOOK AT VEHICLES | GENERATE IDEAS AND SIMPLE DEVELOP AND COMMUNICATE IDEAS THARUGH PRAMINISA IDEAS THARUGH PRAMINISA AND MOCK-UPS. SLECT A RANGE OF TOOLS AND BECUPARIT AND MATERIALS TO PERFORM PAATIVAL TASKS. ÉXULORE WHELES AND PAROUCTS AGAINST ORIGINAL CRITERIA. | MECHANISMS WHEELS AND ÅXLES • WHEELS AND ÅXLES WHEELS AND ÅXLES | GENERATE IDEAS AND SIMPLE DESIGN CATTERIA. DEVELOP AND COMMUNICATE IDEAS THROUGH DRAWINGS AND MOCK-UPS. SLECT A RAVIEG OF TOOLS AND BCUMMENT AND MATERIALS TO PERFORM PACTICAL TASKS. ÉXEUDRE WHEELS AND AXLES AND PRODUCTS AGAINST ORIGINAL CATTERIA. | TEXTILES TEMPLATES AND JOINING TECHNIQUES • JOINING AND FASTENING FABRICS • PUPPETS | DESIGN A FUNCTIONAL. DESIGN A FUNCTIONAL. APPEALINIS FORDUCT FOR A CHOREN USER AND PURPOSE. GENERATE, DEVELOR, AND COMMUNICATE IDEXS. USE A RANGE OF TEXTILES, TOOLS AND EQUIMENT TO PERFORM PRACTICAL TASKS. TOOLS AND EQUIMENT TO PERFORM PRACTICAL TASKS. EXETURE REQUERTS AND PRODUCTS UNDERSTAND HOW 3-D TEXTILE PRODUCTS ARE MADE, USING JOINING, TEXTLE PRODUCTS ARE MADE, USING JOINING, TEXTLE PRODUCTS ARE MADE, USING JOINING, TEXTLE PRODUCTS ARE MADE, USING JOINING, |
| YEAR 3 | MECHANICAL SYSTEMS LEVERS AND LINKAGES • MOWING HISTORY BOOK • LEVERS AND LINKAGES POSTER AND SUPPORT PACK | GENERATE REALISTIC IDEAS ADALUSTE MAND USE ANNOTATED SKETCHES AND PROTOTYPES YO DEVELOP, MODEL AND COMMUNICATE IDEAS. SELECT AND DSE TOOLS WITH SOME ACCUPACY TO CUT, SOME ACCUPACY TO CUT, SUMSEE AND DAPER AND CARD. TAVESTIGATE AND ANALYSE PRODUCTS WITH LEVER AND LINVESTIGATE AND OTHERS PRODUCTS WITH LEVER AND LINVAGES, AND FIXED AND LODSE PNOTS. | Textiles Templates and joining techniques Joining and Fastening Fabrics • Bendy Bags | DESIGN A FUNCTIONAL. APPEALING PROUNT FOR A CHOSEN USER AND PURPOSE. GENERATE, DEVELOP, AND GENERATE, DEVELOP, AND USE A RANGE OF TERLES, TOOLS AND EQUIPMENT TO DOLS AND EQUIPMENT TO TOOLS AND EQUIPMENT TO TOOLS AND EQUIPMENT TO TOOLS AND EQUIPMENT TO TOOLS AND EQUIPMENT TO DISPERSING TETTLE PRODUCTS AND PROUCTS. UNDERSTAND HOW 3-D ERTILE PRODUCTS ARE MADE, USING JOINING. TEMPLATES AND FINISING TO CREAT TWO DENTICAL | ELECTRICAL SYSTEMS Simple circuits and switches (including programming and control) Developing handmade switches or Developing handmade switches or Night Lights (Links to LITERACY) or Unteracy | Use annotated sketches, cross-sectional and erouded diadrams to develop and communicate develop and communicate develop and communicate develop and communicate develop and communicate some accuracy to cur shape, join and primisi, some accuracy to cur shape, join and primisi, developments accuracy to there thus the component of the theory of the theory of the theory of the theory of the theory of the theory of theory of the theory of the theory of the theory of theory of the |

YEARS 1-3 DESIGN & TECHNOLOGY LONG TERM PLAN



MAHARISHI SCHOOL

CONSCIOUSNESS - BASED EDUCATION

| | Key Learning | GENEPATE THEIR OWN REALISTIC IDEAS AND USE ANNOTATED SKETCHES AND PERFORMED SKETCHES AND PERFORMED SKETCHES AND PERFORMED DEAMMAINCATE IDEAS. SELECT AND USE TOOIS WITH SOME ACCUPACY. CUT AND 70IN SOME ACCUPACY. CUT AND 70IN SOME ACCUPACY. CUT AND 70IN SOME ACCUPACY. CUT AND 70IN SUCH AS TUBING. SYNINGES AND BALLOONS. INVERTIALS AND ORD FALLO INVERTIAL AND USE NEED. INVERTIAL AND USEN RECLANISMS. UNDERSTAND AND USEN RECLANISMS. | Речслор а ревіом зекслігісатиом тем ха тем катомате ревосисттикат темехнова антоматісація то сказабіся и ті те сказабіся и ті те сказабіся и ті теретатер техноликата. Ремальката теретатер тосіа, сколямисти, цатика тосіа, сколямисти, та тосіа, сколямисти, те тосіа, сколямисти, те техтомательти те старонате то сименса и те старонате то сименса те те за като сименса те старонате те старонатела те старонатела те старонатела те старонатела те старонатела те старонатела те старонатела то савоцията те старонатела то старонатела то старона то старона то старона то старона то то старона то старона то то то то старона то то то | GENERATE ГРЕАЗ ТНЯОИGH GENERARCH AND DEVELOP AND COMMUNICATE A SIMPLE DELECT USE A SIMPLE SELECT USE A RANNE OF TOOLS AND EQUIMENT TO MARE PROVINCT THAT THAT ARE ACCURATELY ASSEMBLED AND WELL THINING COMPARE TH FINAL PEDIOL TO THE ORIGINAL DESIGN, MANUFACTURE AND CG5T. COMPARE TH FINAL DESIGN, MANUFACTURE AND COMPARE THE AND UST TO THE ORIGINAL DESIGN, MANUFACTURE AND COMPARE THE AND MANUFACTURE AND MANUFACTURE AND COMPARE THA AND MANUFACTURE AND MANUFACTURE AND MANUFACTURE AND MANUFACTURE AND MANUFACTURE AND COMPARE THA AND MANUFACTURE AND MANUFACTURE |
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| | SUMMER 2 | MECHANICAL SYSTEMS PNEUMATICS • Make a Mascot | ELECTRICAL SYSTEMS MORE COMPLEX SWITCHES AND CIRCUTS (INCLUDING PROGRAMMING, MONITORING AND CONTROL) - ALARMING VEHICLES - ALARMING VEHICLES - DEVELOPING HANDMADE SWITCHES - HANDMADE SWITCHES HELP SHEET | MECHANICAL SYSTEMS PULLEYS AND GEARS • GEARS AND PULLEYS • FARGROUNDS • FRAMES FOR MOTORISED PROJECTS |
| AN TEARS 4-0 | Key Learning | Семенате резови саптела голя ам даредацию, г-имс-поида родогог горя земеник цевена. Редовисте даниотатер земеник цевена. Редовисе амиотатер земеничется: земетичез мы рактеми рессея. Белект Радиса дино тнеля числомы. Гизали с данастемистиса. Гизали с данастемистиса. Гизали с данастемистиса. Техти с родовится. Техти с родовится. Техти с родовится. | RESEARCH USER NEEPS AND EXISTING PRODUCTS AND DEVELOP AND MODEL INNOVATIVE IDEAS INTO A DESIGN SPECIFICATION. FORMULATE P ADAN WITH A STEP-W-STEP LIST OF TASKS AND REGOLATELY WEAS THO FORMULATE PACH WEAS TO A ACCURATELY WEAS TO A ACCURATELY WEAS TO A A ADD TO IN MATERIALS. USE TAINING TECHNIQUES SUITABLE FOR THE PAODUCTS A AND CRITICALLY EVALUATE THEIR PRODUCTS AGAINST A RANGE OF CATIFRIA. RESEARCH KEY EVENTS AND RONNUDALS RELEVANT TO FIRAME STRUCTURES. | GENERATE INNOVATIVE IDEAS GENERATE INNOVATIVE IDEAS DEVELOP THESE LAND DEVELOP THESE LAND MOCK-UPS AND PROTOTYPES INCLUDING USING MOCK-UDING USING COMPUTER-ALDED DESIGN. DESIGN INVECTIONAL. DESIGN INVECTIONAL. DESIGN INVECTIONAL DESIGN EDECHICATION. SELECT AND USE A THAT ARE IT FOR PURPOSE BASED ON A SILVELE DESIGN SPECIFICATION. SELECT AND USE A ANGE OF TOOLS AND USE A THAT ARE ACCUPATELY ASSEMBLED AND VIEL FINISHED. WORK WITHIN THE CONSTRANTS OF TIME. |
| DESIGN & LECHNOLOGY LONG TERM PLAN | Spring 2 | TEXTILES 2D SHAPE TO 3D PRODUCT • Aprons | Structures Frame structures - Bird hide challenge - Working with paper straws | TEXTILES COMBINING DIFFERENT FABRIC SHAPES (INCLUDING COMPUTER-AIDED DESIGN) • DESIGNING WITH TEXTILES |
| DESIGN | Key Learning | GENERATE IDEAS AND DESIGNS, GENERATE IDEAS AND DESIGNS, ANALYSIS OF SHELL STFUCTURES AND USE CAD TO MODEL AND COMUNICATE TEAS. PLAN THE MAANIG AND USE ADDRUNCTER-DEAL AND CONTRATE IDEAS. PLAN THE MAANIG AND USE ADDRUNCTER-DEAL AND CHORENARD FEALAND FINISHING TECHNIQUES. EVALIANTE FHELL STFUCTURES DEVELOP MONCLERED FINISHING TECHNIQUES. EVALIANTE FHELL STFUCTURES DEVELOP MONCLERED COMPERT OD REPES AND HOW TO CONSTRUCT STFORM, STFF SHELL STFUCTURES. | GENERATE A DESIGN FROM RESEARCH, DEVELOP A SPECIFICATION, MODEL AND COMMUNICATE IDEAS. DEMALLIACTE IDEAS. DEMALE ACURATELY ASSIMUED MARE ACCURATELY ASSIMUED MARE ACCURATELY ASSIMUED AND VELL MINISHED PRODUCTS MARE FINAL PRODUCT TO TEST PRODUCT CONSIDERING THE MITHADED USER AND TEST PRODUCT CONSIDERING THE PRODUCT CONSIDERING THE MANUTACTURING AND BASINTACTURING AND ENGINEERING COMPANIES RELEVANT TO THE PRODUCT. | GENERATE AND COMMUNICATE RESEARCH. PRODUCE DETALLED LISTS OF RESEARCH. PRODUCE DETALLED LISTS OF PROPRIMENTARY PRARKS AND FORMULATE STEP-PV-TTEP PLANS FOR MANNG. INVESTIGATE AND MAINTSE TEXTLE PRODUCT AND MAINTSE TEXTLE PRODUCT AND MAINTSE TEXTLE PRODUCT AND MAINTSE TEXTLE PRODUCT AND SPECIFICATION. RVOW THAT A 3-D TEXTLE PRODUCT CAN BE MADE FROM A COMBINATION OF PATTERN DIFFERENT FRAME SAID DIFFERENT FRAME SAI |
| | AUTUMN 2 | Streuctures Shell structures (including Computer-aided design) • Banish broken biscuits | MECHANICAL SYSTEMS CAMS • MECHANISMS WITH A MESSAGE • GEARS AND PULLEYS • WORKING WITH WHEELS AND AXLES | TEXTILES COMBINING DIFFERENT FABRIC SHAPES • FANCY A BAG? • DESIGNER BAGS |
| | | Year 4 | YEAR 5 | YEAR 6 |

YEARS 4-6 TERM PLAN DESIGN & TECHNOLOGY LONG



Impact

"The field of pure consciousness is the very source of life energy, the reservoir of wisdom, the origin of all power in nature, and the fountain-head of all success in the world." Maharishi

Assessment

We assess pupils by observing them as they design, make and evaluate, and we talk to them about their work, asking targeted questions, assessing the ongoing process, not only the finished product.

Children's answers, together with seeing their individual progression of skills, gives us the necessary insight into their specific needs for further development.

We also take into account the class as a whole, and we actively involve children in their assessment by using self-assessment and peer assessment.

Pupils' progress is documented in their D&T folders and in our Primary Staff shared drive.

We record pupils' progress against specific attainment targets, identifying pupils who work at, towards or beyond age-related expectations. The attainment targets are based on the Design & Technology association's Progression framework, rephrased by G.Jennings, as well as on the Key learning documents by the Lancashire Curriculum Advisory Team.

Areas of assessment:

- ability to develop, plan and communicate ideas;
- ability to work with tools, equipment, materials and components to make quality products;
- ability to evaluate processes and products;
- ability to reflect on and evaluate present and past design and technology, its uses and its impact;
- knowledge and understanding of materials and components;
- technical knowledge in the areas of mechanisms, structures, mechanical and electrical systems and textiles.



Our assessment sheets can be found here:

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https://drive.google.com/drive/folders/1EZ9WCvAr0QVDnEbWU8Nzc3wiYAtOkUJV?usp=sharing

Example of an Assessment sheet:

| YEARS 3 AND 4 DESIGNING: | DESIGN MAKE EVALUATE DID A I CAN DESCRIBE THE PURPOSES OF MY PRODUCTS Image: Control of the purposes of my products | MAKING: Practical skills and techniques | 1000 J L FOLLOW PROCEDURES FOR SAFETY AND HYSIENE 1000 K L CAN USE A 6000 RANGE OF MATERIALS AND COMPONENTS INCLUDING CONSTRUCTION MATERIALS AND KITS, TEXTLES, FOOD INGREDIENTS, | TECHNICAL KNOWLEDGE MECHANICAL | the ELECTROLA INTITUES SUCH AS SWITCHES, BULGS AND BUZZERS the ELECTROLA INTITUES BULCH AS SWITCHES, BULGS AND BUZZERS the LIGUES STORMER AND LINEARES the LIGUES STORMER AND LINEARES ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED the LINEARES TO MAKE WORKSONT LANGER ON MORE VANNED | | |
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| Understanding cantexts, users and purpases | 200 В Г. САН РОКТ ООТ ТНЕ ГЕВОН ТЕХНИВЕ О ГИИ РОВОИСТЯ ТЫК ИНЦ. АРРЕАL TO THE FRENCH OR REPORT WOND ГОБАНКИ Т ТОК ИТИТОВЕН ЗАВЕЗЫ C1 САН ЕРБАЛА НОМ ОРТЕЛЕНТ РАКТУ ОГ МУ РОВОИСТЯ МОКК C00 В Г. САН РОК ООТ ЛЕООТ ТИИ НЕТО АНО МИЛТЯ ОГ ЛАППОLAR НОМИОНА, АНО MONOPS C1 САН РОК ООТ ЛЕООТ ТИИ НЕТО АНО МИЛТЯ ОГ АЛППОLAR НОМИОНА, АНО MONOPS C1 САН РОК ООТ ЛЕООТ ТИИ НЕТО АНО МИЛТЯ ОГ АЛППОLAR НОМИОНА, АНО MONOPS C1 САН РОК ООТ ЛЕООТ ТИИ НЕТО АНО МИЛТЯ ОГ АЛППОLAR НОМИОНА, АНО MONOPS C1 САН РОК ООТ ЛЕООТ ТИИ НЕТО АНО МИЛТЯ ОК АЛППОLAR НОМИОНА, АНО MONOPS C1 САН РОК ООТ ЛЕООТ ТИИ НЕТО АНО МИЛТЯ ОК АЛППОLAR НОМИОНА, АНО MONOPS C1 САН РОК ОНТА АТ ТО СИСКИ СИНТЕНА РОК АЛПОЛОСТ C1 САН РОКО СИТТИИ НО И МИЛТ ВИДА БИЛИВИИ ГОРАЛО | | MEGUANICAL COMPONENTS AND ELECTRICAL COMPONENTS DIDI K I ASSEMILE, JOH AND COMBINE MATETNALS AND COMPONENTS WITH SOME ACCURACY DIDI L I MEGUNE, MANN GUT, CUT AND SHAPE MATETNALS AND COMPONENTS WITH SOME ACCURACY DIDI L I DA ASHY A RANGE OF FINSIHING TECHNOLES, INCLUSING THOSE FROM ART AND | AND ELECTRICAL SYSTEMS AND ICT | | | |
| ESIGNING: | DD WHEN I DISCUSS MY DESIGNS WITH OTHERS, THEY UNDERSTAND WHAT I MEAN | | DESIGN, WITH SOME ACCURACY | age-related a | expectation | age-related expectation | age-related expectation |
| ienerating, ieveloping, nadelling and ammunicating deas | АКО ВИССИБКОИ НЕСТУ НЕ МАЛЕ ИМ КЕЗИКИ ССЛИРИТ. СООТ ЕТ I САМ РИКОИС АМИСТИТЕ ВИТИСЕ, СЛОВЯ-ИЕСТОНАК, ВЛАИНИВА АКО ЕВИСКОГО БИБИЛАКЕ ТО ИСТИ ИМ СРУГЕСР АНО МИНИСТИ И СЕКА АКО СОМИНИСАТЕ ИМ ГОЕЛИ ИМ СРУГЕСР АНО МИНИСТИ И СЕКА АКО СОМИНИСАТЕ ИМ ГОЕЛИ ИМ СРИГИТИ И СОИМИЛИСАТЕ ИМ ПСА. 2017 I СА МОКЕ. ИМ СРЕМИ НОСАХ ЦИНИВ РИСТОТРИЕЗ АКО СОМИЛИСАТЕ ИМ СИЛИ ПОКЕТ. ИМ СРЕМИ НОСАХ ЦИНИВ РИСТОТРИЕЗ АКО РИМТЕТИК РИССЕЗ | EVALUATING: Own ideas and products | COD 11 CAM EXTERNITY THE STRENGTHS AND AREAS TOR DEVELOPMENT IN MY BEAS AND FREEXCHART THE WING OF OTHERS, INCLUDING THE INTENESS USERS, TO HILL MAK AND/THE WING OF OTHERS, INCLUDING THE INTENESS USERS, TO HILL MAK AND/THE WING OF OTHERS, INCLUDING THE INTENESS USERS, TO HILL MAK AND THE WING OF OTHERS, AND AND MAKE MY PRODUCTS COD 1 LISE MY DESIGN CANTERIA AS I DESIGN AND MAKE MY PRODUCTS | | | | |
| | DDD 0 I CAN THINK UP REALISTIC DEAS FOR MY DESIGNS DDD 0 I MY ORAS TAW THE HERIS OF THE USER INTO ACCOUNT DDD 02 WHEN I AN DESIGNING, I TAKE INTO ACCOUNT WHAT RESOURCES ARE AVAILABLE FOR ME TO USE | EVALUATING: Existing products | COD R LOAN INSTRACT PROCUES AND MAKE COMMENTS ABOUT HOW WELL THEY IMAYE BEEN DESIGNED COD S I. Can Investmant products and make comments about how well they MET UREN NEETS ADD NAME COMMENTS ABOUT HOW WELL THEY COD T I. Can INSTRACT PRODUCTS AND MAKE COMMENTS ABOUT HOW WELL THEY | | | | |
| MAKING: lanning | COT HI I SELECT TOLS AND FOUNDENT SUITABLE FOR THE TASK COT H2 VIEWS I ENGLAN MY COURCE OF TOLS AND REQUIRANCE, I CAN REFER TO THE BILLS AND TECHNIQUES THILL BE USING COM H3 VIEWS I SELECT WATERNAS AND COMPONENTS, I CHOOSE OMES WHICH ARE BUTCHLEFT ON THE TASK COM H4 VIEWS I ENGLAND THE TASK AND COMPONENTS, I CAN REFER TO THE TAKKTOME OPERATES (LOW THY "ONEY") AND REFER TO THE TAKKTOME OPERATES (LOW THY "ONEY") AND | | WORK AND ACHEVY THEN PUPPOLE CONT LCAN INSTANCE PRODUCTS AND MARE COMMENTS ABOUT WHY CERTAIN MATTINALS MAY EREN LOCKER CONTINUES AND REPORT OF AND AND COMMENTS ABOUT WHAT METHODS OF CONTINUES WAN REEN LIKES CONTINUES AND | | | | |
| | AESTHETIC QUALITIES (HOW GOO THEY LOOK, FEEL, ETC.) IIII II CAN PLAN THE MAIN STAGES OF MAKING MY PRODUCT IIIII (2 I CAN LIST THE MAIN STAGES (N ORDER) FOR MAKING MY PRODUCT | | CCD V I CAN RESEARCH SOME PRODUCTS TO THID OUT IF THEY CAN BE RECYCLED OR REUSED CCD 21 I CAN RESEARCH SOME PRODUCTS TO THID OUT WHID DESIGNED AND MADE THEM CCD 22 I CAN RESEARCH SOME PRODUCTS TO THID OUT WHERE AND WHEN THEY WERE DESIGNED AND MADE. | | | | |

Our Design & Technology curriculum

- develops our pupils' skills and knowledge in design, structures, mechanisms, electrical control and a range of materials, including food
- gives children the opportunity to develop skills, knowledge and understanding of designing and making functional products
- supports the progressive development of fundamental technological skills
- promotes critical thinking
- encourages children to think about important issues, such as sustainability
- nurtures creativity and innovation through design, and by exploring the designed and made world in which we all live and work
- helps to teach maths, english and other subjects on the curriculum in a fun manner and puts these subjects into context, making them easier to digest and more understandable
- inspires our pupils to become resourceful, innovative, enterprising and capable citizens.