| Subject Knowledge - Tecnical drawing, motion and movement, linkages, lazy tongs, cams, followers - Present work with annotation 2 weeks prior to assessment Gap filling after assessment will be based on students responding to feedback and returning to tasks to complete extended outcomes. - AP2 assessment Based on an adapted GCSE AQA Design Technology paper combined with assessment of folder work against adapted NEA criteria. National curriculum: - develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling Students will work through the key areas of DT: Subject Knowledge - Users needs, Specification writing, modelling, gears and mechanical movement Subject Knowledge - Users needs, Specification writing, modelling, gears and mechanical movement Subject Knowledge - Users needs, Specification writing, modelling, gears and mechanical movement Formative Assessment - Range of activities including peer and self reflection Using marking stickers and whole class feedback to reflect on progress. Will respresent and a outcome. Further set that the mark is reflected to the ma | Half Term 6 utomators using modelling card Forms of Mechanical Motion, Linkages in devices, CAMS and assessment of all NEA criteria as students have completed an actions of the written paper will be added to the assessment so ectice of the GCSE assessment model. specialist tools, techniques, processes, equipment and machinery imputer-aided manufacture re advanced mechanical systems used in their products enable and force |
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| Drawing and Graphics - Technical drawing Subject Knowledge - Technical drawing, motion and movement, linkages, lazy tongs, cams, followers - Present work with annotation 2 weeks prior to assessment Gap filling after assessment will be based on students responding to feedback and returning to tasks to complete extended outcomes. - Will respresent and a outcome. Further see that the mark is reflected assessment of folder work against adapted NEA criteria. National curriculum: - develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling Students will work through the key areas of DT: Designing for Users - Specification and Users needs, food automators Subject Knowledge - Users needs, Specification writing, modelling, gears Subject Knowledge - Users needs, Specification writing, modelling, gears Subject Knowledge - Users needs, Specification writing, modelling, gears Subject Knowledge - Users needs, Specification writing, modelling, and mechanical movement - Present work with annotation 2 weeks prior to assessment Gap filling after assessment will be based on students responding to feedback and returning to tasks to complete extended outcomes. - Range of activities including peer and self reflection Using marking stickers and whole class feedback to reflect on progress. Will respresent and a outcome. Further see that the mark is reflected that the mark is reflected to progress. National curriculum: - use research and exploration, such as the study of different cultures, to identify and understand user needs - identify and understand seen needs - identify and understand user needs - | especialist tools, techniques, processes, equipment and machinery imputer-aided manufacture re advanced mechanical systems used in their products enable |
| Subject Knowledge - Tecnical drawing, motion and movement, linkages, lazy tongs, cams, followers - Present work with annotation 2 weeks prior to assessment Gap filling after assessment will be based on students responding to feedback and returning to tasks to complete extended outcomes. - AP2 assessment Based on an adapted GCSE AQA Design Technology paper combined with assessment of folder work against adapted NEA criteria. National curriculum: - develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling Students will work through the key areas of DT: Students will work through the key areas of DT: | assessment of all NEA criteria as students have completed an actions of the written paper will be added to the assessment sectice of the GCSE assessment model. specialist tools, techniques, processes, equipment and machinery imputer-aided manufacture re advanced mechanical systems used in their products enable |
| feedback and returning to tasks to complete extended outcomes. AP2 assessment Based on an adapted GCSE AQA Design Technology paper combined with assessment of folder work against adapted NEA criteria. National curriculum: - develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling National curriculum: - use research and exploration, such as the study of different cultures, to identify and understand user needs - identify and solve their own design problems and understand how to reformulate problems given to them Students will work through the key areas of DT: | ections of the written paper will be added to the assessment so ectice of the GCSE assessment model. specialist tools, techniques, processes, equipment and machinery imputer-aided manufacture re advanced mechanical systems used in their products enable |
| National curriculum: - develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling National curriculum: - use research and exploration, such as the study of different cultures, to identify and understand user needs - identify and solve their own design problems and understand how to reformulate problems given to them National Curriculum: - select from and use sprecisely, including cordinates in movement and solve their own design problems and understand how to changes in movement and solve their own design problems and understand how to reformulate problems given to them | mputer-aided manufacture re advanced mechanical systems used in their products enable |
| | |
| DESIGN - Develop basic skills in using perspective drawing and isometric projection to communicate design ideas. Begin to use tone to communicate shape and textures. Fo experience for all learners. SPECIFICATION AND EVALUATION - Focusing on user needs and modelling to test and evaluate designs students will use card to develop key materials knowledge to protot MAKE - Using knowledge of movement and linkages students will prototype cam based automata. DESIGN - Through a range of activities students gain confidence in basic perspective techniques. Through tests looking at one point perspective students look at showing shapes. | |
| SPECIFICATION AND EVALUATION - Through a design challenge to make a structually sound chair students design the components needed and model using card. Skills in us model designs. | ising knives, safety rules and cutting techniques to effectively |
| | previously developed their making skills through understanding ons and are now extending this understanding by making use of |
| AP2 assessment is based on an adapted GCSE AQA Design Technology paper Designing for Users - Specification and Users needs, food automators Combined with assessment of folder work against adapted NEA criteria. | nd assessment of all NEA criteria as students have completed an tions of the written paper will be added to the assessment so that of the GCSE assessment model. |
| | neir work and research (Good Speech and Speaking) there will be wiew and reflect on each others work. e their NEA and this is fundamentally where they are aiming high rade. |
| The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the process of Intellectual Property. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the process of Intellectual Property. The generosity of ideas that inventors give to organisations through the process of Intellectual Property. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the product and how product improvements show gratitude back to the audiences. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the product and how product improvements show gratitude back to the audiences. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the product and how product improvements show gratitude back to the audiences. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the product and how product improvements show gratitude back to the audiences. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the product and how product improvements show gratitude back to the audiences. The past, present a future. Problem-Solving with developing drawing techniques. The generosity of ideas that inventors give to organisations through the product and how product improvements show gratitude back to the audiences. The past, present a future. Problem-Solving with a future for the product and how product improvements show gratitude back to the audiences. | |
| Looking at how we can be a friendly and civil society about the environment. Which companies have had the courage to change their approach despite cost and impact. What organisations and innovations lead the world of technology. Students having the courage to come up with new ideas in their own Looking at how we can be a friendly and civil society about the environmental impacts. As students present their work and research (Good Speech and Speaking) there will be an opportunity to trial some of the machinery and a development of positivity and good humour as we know things do not always go to plan first time round. Positivity and good humour as we know things do not always go to plan first time round. | rtunity to trial some of the machinery and a development of umour as we know things do not always go to plan first time round. ating a high level of self-mastery over the term as they have to work et targets. Students will have compassion through evaluation of their sessment. Good Sense will be tested as they work towards the |
| 5 | teh other's week and being incrited by onch attacks of the control |
| Cultural – showing respect for equipment provided by the school Social – looking at the work of others looking at the work of others Cultural – showing respect for equipment provided by the school Social – responsibility for quality of own work Social – viewing each other's work and cultural – be tolerant of each other's views and opinions Cultural – showing respect for equipment provided by the school Social – responsibility for quality of own work Social – viewing each other's work and being inspired by each other. So | ich other's work and being inspired by each other and the work of others others illity for quality of own work and equipment provided by the school. ocial – viewing and discussing the work of others int of each other's views and opinions and being respectful of their work. |