Bishop Heber High School

Subject	Year	Term
Design and Technology	10	1

Topic

Mock NEA and Theory

Content (Intent)

Prior Learning (Topic) Y9 Food and Challenges

Students will be given a boost in practical skills to start the course.
Students will design and make a speaker as a mock NEA in preparation for their final NEA
Students will cover two units of the theory work in preparation for their final exam.

- New and Emerging Technologies
- Energy, material and systems

Future Learning (Topic) Mock NEA, Unit 3 and 4 Theory.

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
Students will complete a mock NEA following the iterative design process. The first half term will focus on investigating the problem, identifying a client and setting out a Specification For two lessons a fortnight students will be participating in theory lessons in preparation for the exam. The first half term they will be covering new and emerging technologies.	Students will be given a copy of the GCSE assessment criteria and at the end of each section awarded a mark and written feedback. They must then act on this feedback to improve their overall grade (1-9) At the end of each theory unit is a test. If a grade 4 is not achieved students will be asked to re-sit it at a later date.
The second half term will focus on designing and developing a product including sketching, modelling, CAD and reacting to feedback from their client. Theory lessons in preparation for the exam will cover energy, materials and systems.	

How can parents help at home?

You can support your child by discussing the project with them and making sure they meet their deadlines. You can also support by discussing the unit tests with them and monitoring how much revision they are doing for the tests.

Helpful further reading/discussion (including Reading and Vocabulary Lists)

Reading

- My revision notes ISBN-10: 1510432329

GCSE Pod Cast
www.technologystudent.com

Vocabulary Lists

Automated Innovation
Crowd Funding
Finite
Fairtrade
Crowd Funding
Inclusive Design
Market Pull
Enterprise
Renewable Energy
Ecological Footprint
Product Life Cycle
Carbon Miles
Technology Push
Lean Manufacturing
Planned Obsolesces
Disposal
Maintenance
Co-Operative