Futures Institute Banbury
HOMEWORK BOOKLET

Year 9
Term 1 and 2

Subject Home Learning September 2019- 2020

Subject: Computer Science

Year group: 9

Date- wk beg	Subject Homework Details
September 3rd	Google discussion on what jobs will be available in the future. Collaborative piece.
September 9th	Computer timeline
September 16th	Will computers replace teachers Discuss?
September 23rd	Elements of a computer
October 1st	Converting binary numbers
October 7th	Storage devices
October 14th	Representation of sound and images in binary.
October 21st	
November 4th	Fill in the missing words to identify terminology of programming in Python.
November 11th	Flow charts
November 18th	Complete flow chart for making a computer game
November 25th	Design flowchart for the game hangman
December 2nd	Identify the errors in python coding. Identify programming structure – fill in the missing gaps.
December 9th	Example code and identify structure.
December 16th	Example code and identify structure.

Subject Home Learning September 2019- 2020

Subject: English

Year group: Year 9 Term 1 and Term 2 (all resources to accompany this on T:Drive and Google Classroom)

Date- wk beg	Subject Homework Details
September 3rd	Contextual research on 'Of Mice and Men' (OMAM) Research America in the 1930s and The Great Depression. Present your findings in power point or other forms but write in your own words as much as you can. No copying and pasting from the internet.
September 9th	Extract analysis of opening page of OMAM
September 16th	Character analysis- George. Write a page exploring his character. What do we learn about him? How is he described? Why does he behave the way that he does? Why is he with Lenny?
September 23rd	Extract analysis CH3
October 1st	'Curley's wife is a victim of the society she lives in and should be pitied.' To what extent do you agree with this? Give detailed reasons and use quotations
October 7th	Extract analysis CH5
October 14th	Character analysis- Curley. Write a page exploring his character. What do we learn about him? How is he described? Why does he behave the way that he does?
October 21st	Do you think the novel is an important one for a modern reader in 2019? Write a page explaining your reasons and referring to parts of the novel to support your ideas.
November 4th	Evaluate the ending of OMAM. Is the ending effective? Why? Write a page exploring your ideas.
November 11th	Choose your own image of a snowy mountain scene. Write a description of what you can see, using a range of language techniques.
November 18th	Research and select a famous painting in history. Write a page exploring why the painting is effective and why you think it has stood the test of time.
November 25th	Using the title: My Greatest Adventure. Write the opening to a story, focusing on making it engaging and using a range of techniques.
December 2nd	Choose your own image of a dark, lonely place. Write a description of this place, focusing on making it seem frightening and threatening using a range of techniques.
December 9th	The Power of Photography. Choose three famous photos from history and write an explanation of what they are and why they are so effective.
December 16th	Using the Title: A Nightmare World. Write a story exploring your idea of a nightmare.

Subject Home Learning September 2019- 2020

Subject: Mathematics

Year group: 9

Date- wk beg	Subject Homework Details
September 3rd	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
September 9th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
September 16th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
September 23rd	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
October 1st	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
October 7th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
October 14th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
October 21st	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
November 4th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
November 11th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
November 18th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
November 25th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
December 2nd	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
December 9th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons
December 16th	2 x MemRi tasks + 1 x Hegarty task + 1page of exam questions based on learning in lessons

Subject Home Learning September 2019- 2020

Subject: Science

Year group: 9

Date- wk beg	Subject Homework Details
September 3rd	Exam questions based on prior learning (Yr 8) • Extinction • Evolution
September 9th	Exam questions based on prior learning (Yr 8) • Genetic engineering • Cloning
September 16th	Exam questions based on prior learning (Yr 8) • Genetics and inheritance • Inherited disorders
September 23rd	Exam questions based on prior learning (Yr 8) • Genetics and inheritance • Variation
October 1st	Exam questions based on prior learning • Animal and plant cells • Organelles and their functions
October 7th	Exam questions based on prior learning • Specialised animal cells • Specialised plant cells
October 14th	Exam questions based on prior learning • Movement in and out of cells • Osmosis required practical.
October 21st	Exam questions based on prior learning • Mitosis • Stem cells
November 4th	Exam questions based on prior learning • Digestion • Food tests
November 11th	Exam questions based on prior learning • How enzymes work • Enzymes in digestion
November 18th	Exam questions based on prior learning • Blood and blood vessels • The heart
November 25th	Exam questions based on prior learning • Organisation in plants • Water loss in plants
December 2nd	Exam questions based on prior learning • Chemical equations • Separating mixtures
December 9th	Exam questions based on prior learning • Structure of the atom • Electronic structure
December 16th	Exam questions based on prior learning • Development of the periodic table • Groups 1 and 7