Computing AWL – Year 8

	Programming in Python	HTML	Technovation	Sound Editing and Audacity	Relational Databases	Python Next Steps
Excelling	There will be a program which is saved and displays a larger set of questions using several selection (if/else) statements with answers stored in variables, plus a scoring system. Questions that increase with difficulty as the game progresses, gives the user some feedback mid-way through the game as encouragement and allows the user to answer the same question again using a loop. Well explained comments showing full knowledge of most of the sections of code. There will be detailed evidence, with an Introduction, complete evidence of you program being tested, a detailed explanation of the techniques used, plus a	At least 2 notepad files are saved as HTML files, detailed information for the audience and several images are added, where the size has been edited. Formatting tags have been used and a background colour added. A second webpage will have been created with a hyperlink from the first to the second page and another hyperlink to a relevant external site. Both pages load correctly, look attractive and are fully complete with the relevant information some embedded into a table. There will full print screen evidence of the webpages produced and annotation of features added.		Know that sound can be stored in different file formats and show a clearer understanding of relationship between bitrate/sampling and frequency and recognise a sound wave pattern. The student will have recorded a script, recognised the target audience and created a storyboard. They will have gathered and put multiple tracks together using appropriate techniques to arrange them into an advert, have recorded suitable sound effects and included annotated screen prints of the techniques used in order to edit the advert. The student will have shown how they were able to adjust individual points		The student is able to provide detailed descriptions to questions, relating to difference between Functions and Procedures showing clear knowledge in answer to the questions about the example program. The algorithm flow-chart will be complete, use the correct symbols for different techniques and be in a logical order. They will have created a program that sets a password, using techniques such as sequence, print, variables and If/Elif statements and used the correct loop that allows the user to enter the incorrect password 3 times and locks them out. The program will run properly, there will be several comments to show

	full evaluation, with a recommendation of the extra features for the game.			on a wave form to change the sound. They will have tested the final advert against a Test Plan correctly and edited to improve, exported to a suitable format and the advert has a clear message. In addition they will have got others to evaluate and give feedback received.		excellent knowledge, plus annotated testing.
Extending	The student will have created a program which is saved and displays a larger set of questions using several selection (if/else) statements with answers stored in variables, plus a scoring system. Questions that increase with difficulty as the game progresses, gives the user some feedback mid-way through the game as encouragement and allows the user to answer the same question	At least 2 notepad files are saved as HTML files, detailed information for the audience and several images, where the size has been edited. Several formatting tags have been used, a background colour and a second webpage will have been created with a hyperlink from the first to the second page, both pages load correctly and one will look clearly laid out with information	At least 1 idea per student per group, plus research for similar apps are in good detail with a clear comparison to the group's final idea for an app. A description, requirements, purpose and audience is present, together with a high level of detailed annotation on the designs produced. The script shows equal input for the video pitch, includes transitions and	Know that sound can be stored in different file formats and show a clearer understanding of relationship between bitrate and sampling frequency and recognise a sound wave pattern The student will have recorded a script, recognised the target audience and created a storyboard. They will have gathered and put multiple tracks together using appropriate	The student will have created two correctly structured and related tables which each hold data about a single entity. They will have tested validation checks which are relevant to the chosen application. The student will have added at least useful 2 queries, with multiple criteria. They will have also	The student is able to answer questions relating to difference between Functions and Procedures and there is clearer knowledge in answer to the questions about the example program. The algorithm flow-chart will be complete, use the correct symbols for different techniques and be in a logical order. They will have created a program that sets a password, using

	again using a loop. Well explained comments showing knowledge of most of the sections of code. The student will have added detailed evidence, with an Introduction, complete evidence of you program being tested, a detailed explanation of the techniques used, plus a full evaluation of what the student has learnt, with a recommendation of the extra features for the game.	embedded into a table. The second webpage may be incomplete with some information missing. There will full print screen evidence of the webpages produced and some explanation of features added.	animations and more than 2 group members talking enthusiastically about their product, with regular eye contact and a clear explanation of the product for the audience to understand purpose and features. Clear sheets are provided from all members to show scores as an audience.	techniques to arrange them into an advert, they have recorded suitable sound effects and shown how they were able to adjust individual points on a wave form to change the sound. The student will have tested the final advert correctly against a Test Plan, exported to a suitable format and the advert has a clear message. In addition they will have got others to evaluate and give feedback received.	created a fully customised form from two tables and customised the form's design, together with buttons for user navigation. Finally they will have researched and added some other useful complex queries. A detailed explanation to show knowledge of database concepts is produced in a report.	techniques such as sequence, print, variables and If/Elif statements and used the correct loop that allows the user to enter the incorrect password 3 times and locks them out. The program will run properly, there will be several comments to explain the code used and clear testing.
Embedding	The student will have created a program which is saved and displays a larger set of questions using several selection (if/else) statements with answers stored in variables, plus a scoring system. Questions increase with difficulty as the game progresses and	At least 2 notepad files are saved as an HTML files, detailed information for the audience and several images are added, where the size has been edited. A range of formatting tags have been used and a background colour added. A second	At least 1 idea per student per group, plus research for similar apps are in good detail with a clear comparison to the group's final idea for an app. A description, requirements, purpose and audience is present, together with a reasonable level of	Know that sound can be stored in different file formats and show a basic understanding of relationship between bitrate and sampling frequency. The student will have gathered sound effects, recorded a script, recognised the target audience and	The student will have created two correctly structured and related tables which each hold data about a single entity, with tested validation checks and are relevant to the chosen application. The student will have	The student is able to answer questions relating to difference between Functions and Procedures and there is good knowledge in answer to the questions about the example program. The algorithm flow-chart will be complete and use the correct symbols for

	gives the user some feedback mid-way through the game as encouragement. Well explained comments showing knowledge of most of the sections of code. The students will have added detailed evidence, with an Introduction, complete evidence of you program being tested, a detailed explanation of the techniques used, plus a full evaluation of what the student has learnt, with a recommendation of the extra features for the game.	webpage will have been created, both pages load correctly and one will look clearly laid out and fully informative, although the other webpage may be incomplete. There will full print screen evidence of the webpages produced.	annotation on the designs produced. The script shows that input is mostly equal for the video pitch, which includes transitions and animations with at least 2 group members talking enthusiastically about their product. There is some eye contact and a clear explanation of the product for the audience to understand purpose and features. Clear sheets are provided from all members to show scores as an audience.	created a storyboard. They will have edited sounds into an advert and have an understanding of working with multiple tracks, they have recorded suitable sound effects. They will have tested the final advert against a Test Plan, exported to a suitable format and the advert has a clear message. In addition they will have got others to evaluate and give feedback received.	added at least 2 useful queries, with multiple criteria. They will have also created a fully customised form from two tables and customised the form's design, together with buttons for user navigation. A detailed explanation to show knowledge of database concepts in a report is shown.	different techniques and be in a logical order. They will have created a program that sets a password, using techniques such as sequence, print, variables and If/Elif statements and a loop that allows the user to enter the incorrect password 3 times and locks them out. The program may not run properly, there will be comments to explain the code used and clear testing.

Computing AWL – Year 8

Secure	There will be a program which is saved and displays several questions and answers using at least 5 selection (if/else) statements. Ask the user's name and store answers using variables, together with another variable to report the score after each question. The program will also have some responsive feedback at the end of the game specific to the score. There will be some more well explained comments explaining sections of the code and the program will work. The student will have added more detailed evidence of the program, with an Introduction, the program being tested, together with comments of the techniques used, plus a short evaluation.	At least 2 notepad files saved as HTML files, detailed information for the audience and several images will have been added, where the size has been edited. A range of formatting tags have been used and a background colour added. When loaded, the webpage looks neat and clear although incomplete. There will print screen evidence of the webpage produced.	At least 1 idea per student per group, plus research for similar apps in a detail for each member of the team. Evidence of a description, requirements, purpose and audience is present, together with some annotation of features on the designs produced. The script is clearly laid out and includes input from all group members. The video pitch shows either transitions or animations with at least more than 2 group members talking enthusiastically about their product, with some eye contact and explanation of the product is mainly clear for the audience to understand purpose. Clear sheets are provided from most	Know that sound can be stored in different file formats and have gathered sound effects, recorded script, recognised the target audience and created a storyboard. The student will have edited sounds into an advert and have an understanding of working with multiple tracks, they have recorded suitable sound effects. They will have tested the final advert, exported to a suitable format and the advert has a clear message.	The student will have used at least three different data types and added at least one validation check. They will have created more complex queries using criteria on multiple fields. They will have created an input form and where some customisation is evident to make the form more user friendly. They will have a customised the report with a suitable heading, column widths etc. to fit neatly across a page and have created a relationship between two tables. Some definitions are included in the word processed report.	The students is able to answer questions relating to difference between Functions and Procedures and there is a more of an understanding in answer to the questions about the example program. The algorithm flow-chart will be complete and use the correct symbols for different techniques. You will have created a program that sets a password, using techniques such as sequence, print, variables and If/Elif statements and allows the user to enter the incorrect password 3 times. The program will run properly, there will be some comments to explain the code used and basic testing.

			members to show scores as an audience.			
Developing	There will be a program which is saved and displays several questions and answers using at least 2 selection (if/else) statements, where there are some questions and it takes at least 2 inputs from the user, which are stored in variables. There may be some basic comments explaining	At least 2 notepad files are saved as HTML files. A Heading tag has been added and appropriate text with paragraph tags. At least 1 image is present and some formatting tags for alignment, breaks, font size/style. The webpage will load, however, there may be formatting	At least 1 idea for a new app per student per group, with some evidence of research for similar apps already produced, plus a description, requirements, purpose, audience, showing a level detail in the group designs. There is evidence of a basic script	Know that sound can be stored in different file formats and have gathered sound effects, recorded script, recognised the target audience and created a storyboard. They will have edited sounds into an advert and have an understanding of working with multiple	The student will have designed, created and edited a database table structure to hold data about single entity. Added at least 5 records, created a parameter query and sorted the query data on one field. They will	The student is able to answer questions relating to difference between Functions and Procedures and there is some understanding in answer to the questions about the example program, however this description may be one word answers. The algorithm flow-chart will be complete, however,

	some of the code, minimal syntax errors and the program may not work. There will be an Introduction, some evidence of the program being tested and some comments about the techniques used.	errors in the layout. There will limited evidence of the webpage produced.	for the team and the video pitch shows at least 2 group members talking about their product with some enthusiasm, although there may be limited eye contact and an explanation of the purpose is mainly clear. Some evidence of scores for Pitches as an audience.	tracks. They will have tested the final advert and the advert has a clear message.	have also created a basic input form on a single table or query and have created a basic report, form on a single table or query. Some knowledge is evident in the word processed report.	there will be logic errors or use of all sequential symbols. There will be a program that sets a password, using techniques such as sequence, print, variables and If/Elif statements. The program may not run properly.
Beginning	There will be a program which is saved, displays some messages to the user (sequentially) and takes an input from the user, which is stored in a variable. There may be syntax errors and/or the program may not work. There will be limited written evidence about the program created.	At least 1 notepad file is saved as an HTML file, with a Heading tag and appropriate text. There may be some paragraph tags. However, there may be some errors and the file may not load correctly. There will be no hard-copy evidence produced.	Have at least 2 ideas for new apps per group, some evidence of research for the similar apps already produced and some basic drawings for group designs. A script is limited for the team and the video pitch shows students speaking softly, with a lack of enthusiasm, no eye contact and not able to explain the product clearly. Limited	Know that sound can be stored in different file formats and have gathered sound effects, recorded script and edited them into an advert and have tested the final advert. The advert has a message and they will have recognised the target audience.	Designed and created a database table structure to hold data about single entity. Added at least 2 records and created a query, although this query may not run properly. The student will have also created a basic input form on a single table. The student shows limited kowledge of the skills	Limited knowledge of the purpose of Functions or Procedures is evident, there is some comments in answer to the questions about the example program, which may be unclear or one word answers. The algorithm flow-chart will be either incomplete or missing. They will have created a basic program using techniques such as sequence, print and

			evidence of scoring the Pitches as an audience.		and concepts learnt in the report.	variables and there may be some syntax errors and/or it doesn't work.