Year 8 Design and Technology Assessment Grid – Computer Aided Design (CAD)

YEAR 8	Understanding of the Software	Design Development	Modelling
Y8.9	I have a **detailed** understanding of the software package. I can use **most** of the more advanced software tools (*) with a **high** level of skill. I have made **very good** use of **all** the tutorials. I have completed the extension tasks to a **very high** standard. I can work independently on **all** aspects of the task. I can **mostly** explain the task and assist other students in my group.	My design meets **all** the criteria and I can **fully** justify my decisions. My design shows a **very high** level of originality/creativity and is aesthetically pleasing. I can design a product that demonstrates a **very good** level of accuracy and precision. I am able to add **all** the necessary details to develop my design.	I can accurately model the shape and with a **very high** level of precision. I can accurately model **all** the additional details with a **very high** level of precision. I can use the software tools to **accurately** add a variety of colour **and /or** render. I have a **very high** level of communication and presentation.
Y8.8	I have a **sound** understanding of the software package. I can use **some** of the more advanced software tools (*) with a **good** level of skill. I have made **very good** use of **most** of the tutorials. I have completed the extension tasks to a **high** standard. I can work independently on **most** aspects of the task. I can explain the task and assist **some** of the other students in my group.	My design meets **most** of the criteria and I can justify **most** of my decisions. My design shows a **high** level of originality/creativity and is aesthetically pleasing. I can design a product that demonstrates a **good** level of accuracy and precision. I am able to add **most** of the necessary details to develop my design.	I can accurately model the shape and with a **high** level of precision. I can accurately model **all** of the additional details with a **high** level of precision. I can use **most** of the software tools to **accurately** add a variety of colour **and /or** render. I have a **high** level of communication and presentation.
Y8.7	I have a **good** understanding of the software package. I can use **some** of the more advanced software tools (*) with **some** level of skill. I have made **good** use of **most** of the tutorials. I have completed the extension tasks to a **good** standard. I can work independently on **most** aspects of the task. I can explain **some** of the task and assist **some** of the other students in my group.	My design meets **some** of the criteria and I can justify **some** of my decisions. My design shows a **good** level of originality/creativity and is aesthetically pleasing. I can design a product that demonstrates **some** level of accuracy and precision. I am able to add **most** of the necessary details to develop my design.	I can accurately model the shape and with a **good** level of precision. I can accurately model **all** of the additional details with a **good** level of precision. I can use **most** of the software tools to **accurately** add a variety of colour **and /or** render. I have a **good** level of communication and presentation.

Y8.6	I have **some** understanding of the software package. I can **begin** to use **some** of the more advanced software tools (*) with **some** level of skill. I have made **good** use of **some** of the tutorials. I have completed the extension tasks to a **basic** standard. I can work independently on **some** aspects of the task. I can **begin to** explain **some** of the task and assist **2 or 3** of the other students in my group.	My design meets **some** of the criteria and I can justify **3 or 4** of my decisions. My design shows **some** level of originality/creativity and is aesthetically pleasing. I can design a product that demonstrates a **basic** level of accuracy and precision. I am able to add **some** of the necessary details to develop my design.	I can model the shape and **most** aspects have a **good** level of precision. I can accurately model **most** of the additional details with a **good** level of precision. I can use **some** of the software tools to add a variety of colour **and /or** render with **some** level of accuracy. I have a **suitable** level of communication and presentation.
Y8.5	I have **basic** understanding of the software package. I **may/may not** use **some** of the more advanced software tools (*). I have made **some** use of **some** of the tutorials. I have completed **one** the extension tasks to a **basic** standard. I can **begin** to work independently on **some** aspects of the task. I **may/may not** be able to explain **some** of the task and assist **2 or 3** of the other students in my group.	My design meets **some** of the criteria and I can **begin to** justify **3 or 4** of my decisions. My design **may/may not** show **some** level of originality/creativity. I can design a product that demonstrates a **basic** level of accuracy **and/or** precision. I am able to add **some** of the necessary details to develop my design.	I can model the shape and **some** aspects have **some** level of precision. I can model **most** of the additional details and **most** have a **good** level of precision. I can use **some** of the software tools to add a variety of colour **and /or** render with **some** level of accuracy. I have a **suitable** level of communication **and/or** presentation.
Y8.4	I have a **limited** understanding of the software package. I **may not** use **some** of the more advanced software tools (*). I have made **limited** use of **some** of the tutorials. I **may/may not** have completed **one** the extension tasks to a **basic** standard. I can **begin** to work independently on **some** aspects of the task. I **may not** be able to explain **some** of the task and assist **1 or 2** of the other students in my group.	My design meets **some** of the criteria and I **may/may not** justify **2 or 3** of my decisions. My design **may/may not** show a **simple** level of originality **and/or** creativity. I can design a product that demonstrates a **basic** level of accuracy **or** precision. I am able to add **2 or 3** of the necessary details to develop my design.	I can model the shape and **some** aspects have a **basic** level of precision. I can model **some** of the additional details and **some** have a **basic** level of precision. I can use **some** of the software tools to add a variety of colour **and /or** render but this **may/may not** be accurate. I have a **basic** level of communication **and/or** presentation.

YEAR 8 Software Tools   (*) = Along the Path; Contour; Vectorise; Fill and Text Tools

YEAR 8 Design/Modelling   Form Logo; Poster; iPhone; Packaging