

Year 10 Design and Technology Scope and Sequence

Course: 1022DTX Teacher: D Della Santa Year: 2022 Head Teacher: Graeme Lindsay Faculty: TAS 8 10 11 Project: 2. 3D Printing Project: 1. Workshop Safety. Project: 3. Research Designers Title / Unit: Onguard Online Safety Courses Title / Unit: Digital Design CAD Skills Title / Unit: Designers and their Role in Society Timing: 4 100 minute lessons Timing: 6 100 minute lessons Timing: 4 100 minute lessons Outcomes: DT5-8. DT5-9 Outcomes: DT5-3, DT5-4, DT5-5 Outcomes: DT5-1, DT5-2 Skills: Reading, Comprehension Skills: 3D Modelling, ICT Skills: Research, writing, ICT 4Cs: communication, creativity, critical thinking 4Cs: communication, creativity, critical thinking 4Cs: collaboration, communication, creativity, critical thinking Assessment data and weightings: due T1W10, 20% Assessment data and weightings: Assessment data and weightings:

1 3 6 7 8 9 10 Project: Digital Birthday Cake Project: Computer Game Design Title / Unit: Digital Design Personal Interest Theme Title / Unit: Timing: 4 100 minute lessons Timing: 10 100 minute lessons Outcomes: DT5-1, DT5-2, DT5-6, DT5-7 Outcomes: DT5-1, DT5-2, DT5-3, DT5-4 DT5-6, DT5-7, DT5-8 Skills: 3D Modelling, 2D Design, ICT Skills: Research, Reading, Writing, Numeracy, Planning, Graphic Design, **4Cs**: communication, creativity, critical thinking **4Cs**: collaboration, communication, creativity, critical thinking Assessment data and weightings: DUE T2W4, 20% Assessment data and weightings: DUE T2W10, 30%

1 2 3 4 5 6 7 8 9 10

Project: Make a Toy

Title / Unit: 3D Printing and Laser Cutting Engraving

Timing: 7 100 minute lessons

Outcomes: DT5-1, DT5-2, DT5-6, DT5-7, DT5-8, DT5-9, DT5-10

Skills: 3D Modelling, 2D Design, ICT

4Cs: collaboration, communication, creativity, critical thinking

Assessment data and weightings: DUE T3W8, 30%

1 2 3 4 5 6 7 8 9 10

Project: Course Summary Work Booklet **Title / Unit**: Design and Technology Review

Timing:

Outcomes: DT5-1, DT5-2, DT5-3, DT5-4, DT5-5, DT5-6, DT5-7, DT5-8, DT5-9, DT5-10

Skills: Literacy, Numeracy

4Cs: communication, creativity, critical thinking

Assessment data and weightings: