

Who in your department might attend on 7th July for a FULL day (9am – 3pm)

- | | |
|-----------------------|----|
| 1) Me (Possibly + 1). | 4) |
| 2) | 5) |
| 3) | 6) |

What are the needs of you/your team

Would like to look at how other school cover KS3 NC of assessment
Would like to change some of our KS3 project work.
Use of more sustainable materials

I'd like a practical session where we make something. What do students make in year X and why?:

Rotation system.

V7 Design full process project (headphone holder) Game Alarm (Microcontroller/Sensors), Cushions
CAD - Solidworks, parts & assemblies, Graphics - Isometric drawing & rendering.

V8 Mechanical inspired clocks, Mobile phone stands (textiles), E-textile mobile phone case.
Movie advertisement project (Graphics).

V9 Poster Creating (designer inspired), lamps, Desk organisers, Tissue boxes, 3D printed candle holder,
Choc bar packaging.

V10 Passive speaker, USB memory sticks (3D printed laser cut), Packaging (Graphics),
Levers & mechanics project.

9am – 10am

Making 1 (Choose from an option?)

10am – 11am

Making 2 (———)

11am – 12pm

Curric Planning

12pm – 1pm

3D Printing & maintain

1pm – 2pm

KS3 Planning

2pm – 3pm

CAD

CAD

Curriculum planning with same GCSE specs

Assessment and feedback

KS3 planning

3D printing and maintaining the machine

Making options

Wood based

Plastics

CAD/CAM

Textiles?

Electronic,

Metals?

Could talk through the Bloodhead inspired STEM
day Project we ran with year 9. A Science & maths
involved Project, culminating in a day where Pupils
build and race a chemical Prop rocket car.

Who in your department might attend on 7th July for a FULL day (9am - 3pm)

- | | |
|---------------------|---------------|
| 1) Phil Drummond | 4) Adam TAVEL |
| 2) NICOLA SHEFFIELD | 5) |
| 3) MARK HERTON | 6) |

What are the needs of you/your team

- Support with introduction of GCSE Sample.
- Support with CAD - Sheets up, Timetabled.
- Use of 3d printer.
- Development of a textiles KS3 project.

I'd like a practical session where we make something. What do students make in Year X and why?

2 lessons per week. Use of 3d

Y7 Controller/Headteacher → Engage students, cover time constraints.

2 lessons per week → Use of 2d design, Soldering.

Y8 → Project → Metals content.

Y9 → Make NEA Project → Develop CAD skills / understand format of NEA.

Y10 → Textiles Project → Cover key content on Sustainability.

9am - 10am

10am - 11am → Making potential KS3 projects

11am - 12pm

- Development of KS4 Civic Map.

12pm - 1pm

- Development of CAD → Implementation across Dept/Scm.

1pm - 2pm

- Use of 3d printer / Development of textiles project.

2pm - 3pm

CAD

Curriculum planning with same GCSE specs

Assessment and feedback

KS3 planning

3D printing and maintaining the machine

Who in your department might attend on 7th July for a FULL day (9am - 3pm)

- 1) Carant Craig (H.D)
- 2) Joanne Scrivens (Food) ^{4) possibly} ~~5)~~ Caran Sturde
- 3) Caran Ann Cooper (Travels) ⁶⁾

What are the needs of you/your team

- 3D CAD software
- 3D Printing
- CNC milling
- H&C curriculum T&T

I'd like a practical session where we make something. What do students make in year X and why?:

1hr per 2 weeksY7 - Textiles - Stuffed toy Product Design - Phone holder (last cut) Don Burgess1hr per 2 weeksY8 - Graphics - Packaging Engineering - Book layout (last cut) Based Around Smithalls B&B1hr per 2 weeksY9 - Graphics / Engineering - New KS3 As yet to decide on projects 3D Printing Aluminium1hr per 2 weeks

Y10 - Graphics - Packaging Checklist Design Research - Armin Hefman / Milton Close / Neill & B&B

Two Spd wks
9am - 10am

• Practical task NC for Det projects

10am - 11am

• 3D Software / 3D Printing (Work of Artwork)

11am - 12pm

• Curriculum Planning for (Y9) T&S

12pm - 1pm

(Y10) Engineering

1pm - 2pm

Projects - time line
Research
Coshing

2pm - 3pm

CAD

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Y10

• Graphic Design fundamentals

• Design Process
Intro to graphics
Packaging
Development of CAD/CAM
• using methods
mixing of materials

Y8

• Development of Research

• Design Process
Intro to textiles
Hand - Machine
Sketching
making
Intro to CAD/CAM
• using methods

Y7• Intro to design
Research & Design
Process

Intro to textiles

Hand - Machine
Sketching
Pattern
making

Intro to CAD/CAM

• using methods

• Graphic Design fundamentals

Development of

CAD package into
to printing methods• Photography &
digital mediaDevelopment of Design
ResearchCAD softwareFusion 360

Who in your department might attend on 7th July for a FULL day (9am – 3pm)

- 1) Teachers A Hopkinson
- 2) " Colin Lambert
- 3) Technician - Laura Fern

4)

5)

6)

What are the needs of you/your team

- ② 3d CAD software training. - Fashion 3D per an alternative free software (enough does not work in school)
- How you approach designing at KS3.

I'd like a practical session where we make something. What do students make in year X and why?

- Y7 Skills, laser cut ruler, reinforced wiring, Birc feeder. - introduction to practical skills, marking out forces / bridge building. these almost work as general additional lessons. introduction to CAD/CAM
- Y8 Battery powered night light. 3 sessions - Product analysis, CAD/CAM workshop skills
- Y9 USB pendrive. Ergonomic bottle opener. Smart materials mini torch - this is now being trialed this term but not used (3 layers, Coin battery, LED, ATC).
- Y10 mini skills recap - rubber joints small storage box. - lighting NEA style project

Session are 90min
every 2 weeks in
4/9 = 11 currently
3 session every
2 wks.

9am – 10am

10am – 11am

11am – 12pm

} Play & Make.

CAD.

12pm – 1pm

1pm – 2pm

early introduction in lower years
Hatched design drawing skills.

Curriculum planning for GCSE.

2pm – 3pm

CAD

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D&T HUB CPD DAY ☺ Name: Mez Choudhury

/ School: Bolton St Catherines Academy

Who in your department might attend on 7th July for a FULL day (9am - 3pm)

- 1) Ernest Goding 4)
- 2) Paul Doobson 5)
- 3) 6)

What are the needs of you/your team

KS3 planning: - At present we only deal with wood, I would like to incorporate more materials & variety.
KS4 planning: - we are bringing in GCSE D&T, the staff need help to ensure they are ready to teach for Sept, with y9.

I'd like a practical session where we make something. What do students make in year X and why?:

Y7: A wooden elephant that is utilised as a phone holder / pen pot. (18 lessons in total) - Next yr we will have 9.
(Both groups primarily use coping saws, Sanders and decorating material)

Y8: Decorated wooden pencil case with specific joints that flow through to construction who use the joints.

Y9: Currently only teaching Engineering.

Y10: Currently teaching construction & engineering.

9am - 10am

10am - 11am

} Creating products and taking a look at the projects from different schools.

11am - 12pm

12pm - 1pm

Curriculum planning - Mainly KS4.

Some new ideas for KS3 to be explored after 'making session'.

1pm - 2pm

2pm - 3pm

CAD/CAM training on the computers.

CAD

Curriculum planning with same GCSE specs

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} I would be interested in all these as I feel they are really important to form core knowledge.