Suggested Course Structures

Comparison of Course Structures

The following pages provide more details and example timetables for each structure.

An example of Suggested Structure 1 is available as two recordings on the **Biomaker YouTube channel**.

SUGGESTED STRUCTURE	FORMAT	TIME REQUIREMENT	IDEAL NO. PARTICIPANTS	COST	MATERIAL COVERED
1	Online	2 x 1.5hr sessions	<100	£	Lessons 1-3 and part of Lesson 4
2	Online	3 x 1.5hr sessions	<100	£	All Lessons
3	In-Person	1 day (7.5hr)	20-30	£££	All Lessons
4	In-Person	2 half days (2 x 3hr)	20-30	££	All Lessons

Suggested Structure 1: Two Online Sessions

Details

- Format: Online
- Time required: 3 x 1.5hr sessions
- Number of participants: <100

- Cost: £
- Material covered: Lessons 1-3 and part of Lesson 4

PRE-WORKSHOP PREPARATION
- Advertise your course and get participants to register **(1 MONTH BEFORE)**.
- Make sure participants have access to kits by posting kits or advising where to source them **(2-3 WEEKS BEFORE)**.
- Set up your online meetings on Zoom, Teams or any other platform and give participants joining details **(1 WEEK BEFORE)**.
- Ask participants to prepare by downloading the XOD software, beginner's guide and USB drivers **(1 WEEK BEFORE)**.
- Ask them to contact you if they have set-up issues. This will save significant time on the day **(1 WEEK BEFORE)**.

HOMEWORK
Ask participants to complete Lesson 3 of the guide at home between sessions. This material is covered by a presentation at the start of session 2, but it is best if participants have a go themselves. If you are sure that all participants have completed this homework you can remove the session on Lesson 3 in the second session, and spend more time on Lesson 4 and discussion.

Session 1

17:00 WELCOME (5MIN)
Introduction to the course, the session and the instructors.

17:05 LESSON 1 (25MIN)
Content from Lesson 1 of the guide in presentation format.

17:30 LESSON 2
Content from Lesson 2 of the guide via a hands-on session. Live instructor run through **(20MIN)** followed by participants moving to breakout rooms and trying Tasks 1 and 2 **(35MIN)**.

18:25 ROUND-UP (5MIN)
Information about next session and any 'homework'.

Session 2

17:00 WELCOME AND RECAP (5MIN)
Recap some key information from last session.

17:05 LESSON 3 (20MIN)
Content from Lesson 3 of the guide in presentation format.

17:25 LESSON 4
Content from Lesson 4, Task 6 of the guide via a hands-on session. Live instructor run through **(20MIN)** followed by participants moving to breakout rooms and trying Task 6 **(30MIN)**. Finish with discussion on what devices they might like to build **(10MIN)**.

18:25 ROUND-UP (5MIN)
Thank attendees and tell them where to find more information and help.

Suggested Structure 2: Three Online Sessions

Details

- Format: Online
- Time required: 3 x 1.5hr sessions
- Number of participants: <100

- Cost: £
- All lessons

PRE-WORKSHOP PREPARATION
- Advertise your course and get participants to register **(1 MONTH BEFORE)**.
- Make sure participants have access to kits by posting kits or advising where to source them **(2-3 WEEKS BEFORE)**.
- Set up your online meetings on Zoom, Teams or any other platform and give participants joining details **(1 WEEK BEFORE)**.
- Ask participants to prepare by downloading the XOD software, beginner's guide and USB drivers **(1 WEEK BEFORE)**.
- Ask them to contact you if they have set-up issues. This will save significant time on the day **(1 WEEK BEFORE)**.

HOMEWORK
Ask participants to complete Lesson 3 of the guide at home between sessions 1 and 2 (see **Suggested Structure 1**). Ask participants to complete Lesson 4, Task 7 of the guide at home between sessions 2 and 3.

Session 1

17:00 WELCOME (5MIN)
Introduction to the course, the session and the instructors.

17:05 LESSON 1 (25MIN)
Content from Lesson 1 of the guide in presentation format.

17:30 LESSON 2
Content from Lesson 2 of the guide via a hands-on session. Live instructor run through **(20MIN)** followed by participants moving to breakout rooms and trying Tasks 1 and 2 **(35MIN)**.

18:25 ROUND-UP (5MIN)
Information about next session and any 'homework'.

Session 2

17:00 WELCOME + RECAP (5MIN)
Recap some key information from last session.

17:05 LESSON 3 (20MIN)
Content from Lesson 3 of the guide in presentation format.

17:25 LESSON 4
Content from Lesson 4, Tasks 6 and 7 of the guide covered in a hands-on session. Live instructor run through of Task 6 **(15MIN)**, participants move to breakout rooms to try Task 6 **(30MIN)**, live run through of Task 7 **(15MIN)**.

18:25 ROUND-UP (5MIN)
Information about next session and any 'homework'.

Session 3

17:00 WELCOME + RECAP (5MIN)
Recap some key information from last session.

17:05 LESSON 4
Content from Lesson 4, Task 8 and 9 of the guide covered in a hands-on session. Live instructor run through **(25MIN)** followed by participants moving to breakout rooms and trying Tasks 8 and 9 **(35MIN)**.

17:05 LESSON 5 (20MIN)
Content from Lesson 5 in discussion format. Read Case Studies and discuss **(10MIN)**. Presentation on Expanding Your Capability **(10MIN)**.

18:25 ROUND-UP (5MIN)
Thank attendees and tell them where to find info and help.

Suggested Structure 3:
One Day In-Person Workshop

Details

- Format: In-person
- Time required: 1 day (7.5 hr)
- Number of participants: 20-30

- Cost: £££
- All Lessons

PRE-WORKSHOP PREPARATION
- Set date and book space **(2 MONTHS BEFORE)**.
- Advertise your course and get participants to register **(1 MONTH BEFORE)**.
- Provide participants with more details, location and agenda **(1 WEEK BEFORE)**.
- Set up your work space with 1 kit per person/team and computers if you are providing them **(1-0 DAYS BEFORE)**.

Morning

09:00   WELCOME AND LESSON 1
Introduction to the course, the session and the instructors **(10MIN)**. Help participants set up **(25MIN)**. Content from Lesson 1 of the guide in presentation format **(25MIN)**.

10:00   BREAK

10:30   LESSONS 2 AND 3
Content from Lesson 2 of the guide via a hands-on session. Live instructor run through of each task followed by participants trying tasks **(60MIN)**. Content from Lesson 3 of the guide in presentation format **(30MIN)**.

12:00   LUNCH

Afternoon

13:00   LESSON 4
Content from Lesson 4 of the guide covered in a hands-on session. Live instructor run through of each task followed by participants trying tasks **(120MIN)**.

15:00   BREAK

15:30   LESSON 5
Content from Lesson 5 in discussion format. Read Case Studies and discuss **(20MIN)**. Presentation on Expanding Your Capability **(20MIN)**. Research and plan possible devices **(20MIN)**.

16:25   ROUND-UP
Thank attendees and tell them where to find more information and help **(5MIN)**.

Suggested Structure 4: Two Half-Day In-Person Workshops

Details

- Format: In-person
- Time required: 2 half days (2 x 3hr)
- Number of participants: 20-30

- Cost: ££
- All Lessons

PRE-WORKSHOP PREPARATION
- Set date and book space **(2 MONTHS BEFORE)**.
- Advertise your course and get participants to register **(1 MONTH BEFORE)**.
- Provide participants with more details, location and agenda **(1 WEEK BEFORE)**.
- Set up your work space with 1 kit per person/team and computers if you are providing them **(1-0 DAYS BEFORE)**.

Day 1

13:00 **WELCOME AND LESSON 1**
Introduction to the course, the session and the instructors **(10MIN)**. Help participants set up **(25MIN)**. Content from Lesson 1 of the guide in presentation format **(25MIN)**.

14:00 **BREAK**

14:20 **LESSONS 2 AND 3**
Content from Lesson 2 of the guide via a hands-on session. Live instructor run through of each task followed by participants trying tasks **(60MIN)**. Content from Lesson 3 of the guide in presentation format **(30MIN)**.

15:50 **ROUND-UP**
Thank attendees and tell them where to find more information and help **(5MIN)**.

Day 2

13:00 **LESSON 4**
Content from Lesson 4, Tasks 6 and 7 of the guide covered in a hands-on session. Live instructor run through of each task followed by participants trying tasks **(60MIN)**.

14:00 **BREAK**

14:20 **LESSONS 4 AND 5**
Content from Lesson 4, Tasks 8 and 9 of the guide covered in a hands-on session. Live instructor run through of each task followed by participants trying tasks **(50MIN)**. Content from Lesson 5 in discussion format. Read Case Studies and discuss **(15MIN)**. Presentation on Expanding Your Capability **(20MIN)**. Research and plan possible devices **(10MIN)**.

15:55 **ROUND-UP**
Thank attendees and tell them where to find more information and help **(5MIN)**.