

Fair for
Emerging
Researchers



Mentorship Session 1
Introduction to FER and the Scientific Method

How does FER work?

STEP 1



Online Modules +
Worksheets

STEP 2



Mentorship
Sessions

STEP 4



Present at
the FER!

STEP 3



Do Your
Experiment

SAVE

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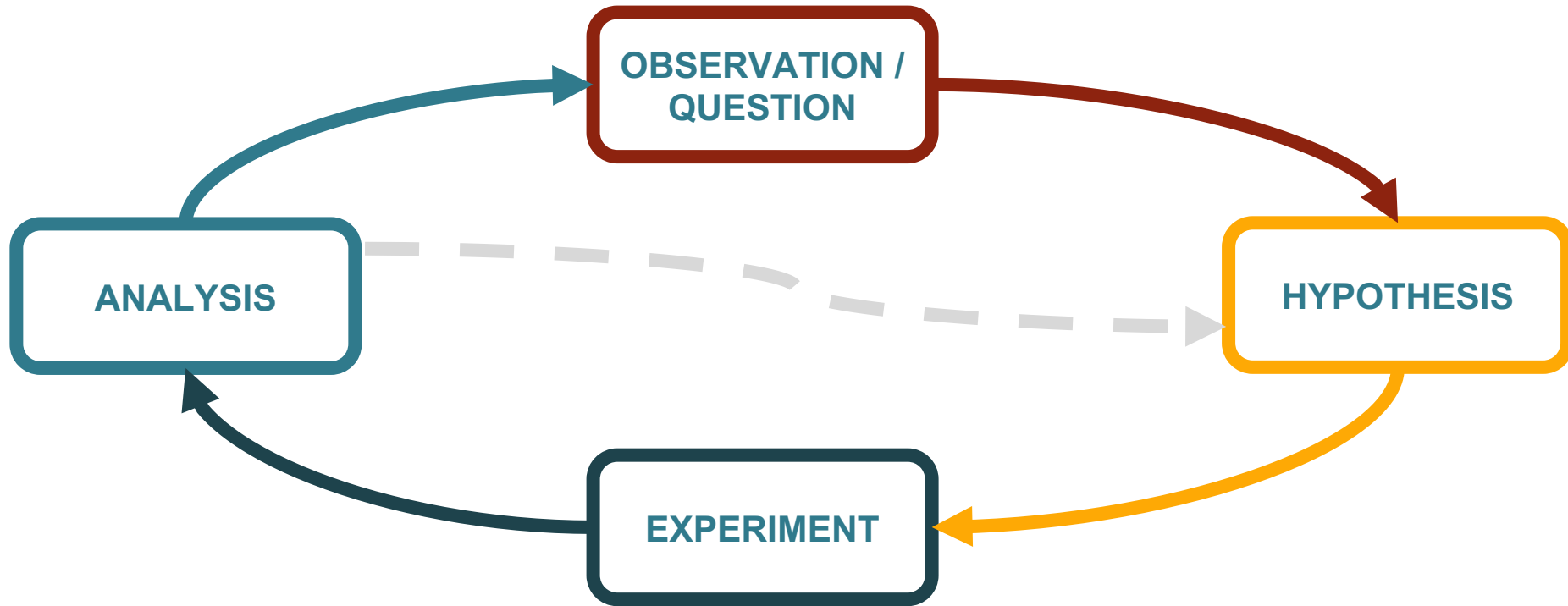
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NOTEBOOK

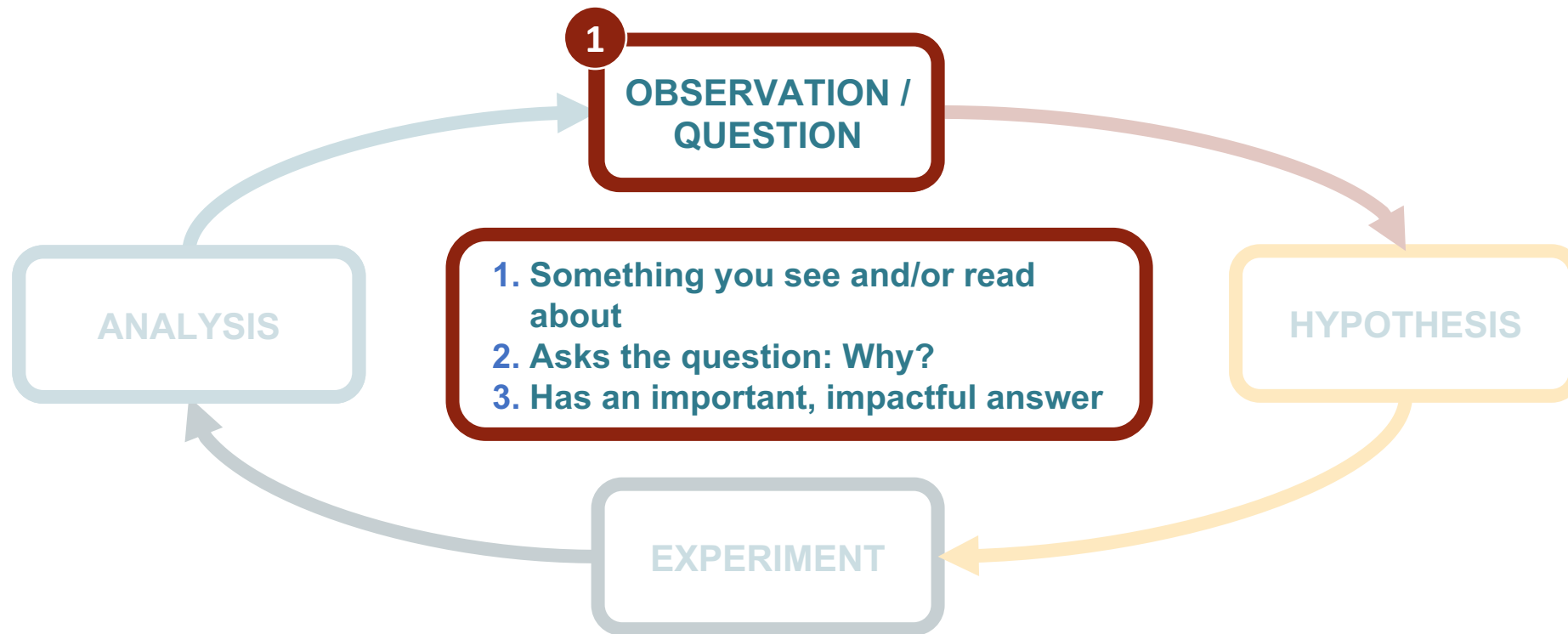
Check out our website
for more information
<https://sciencefer.org>

FER

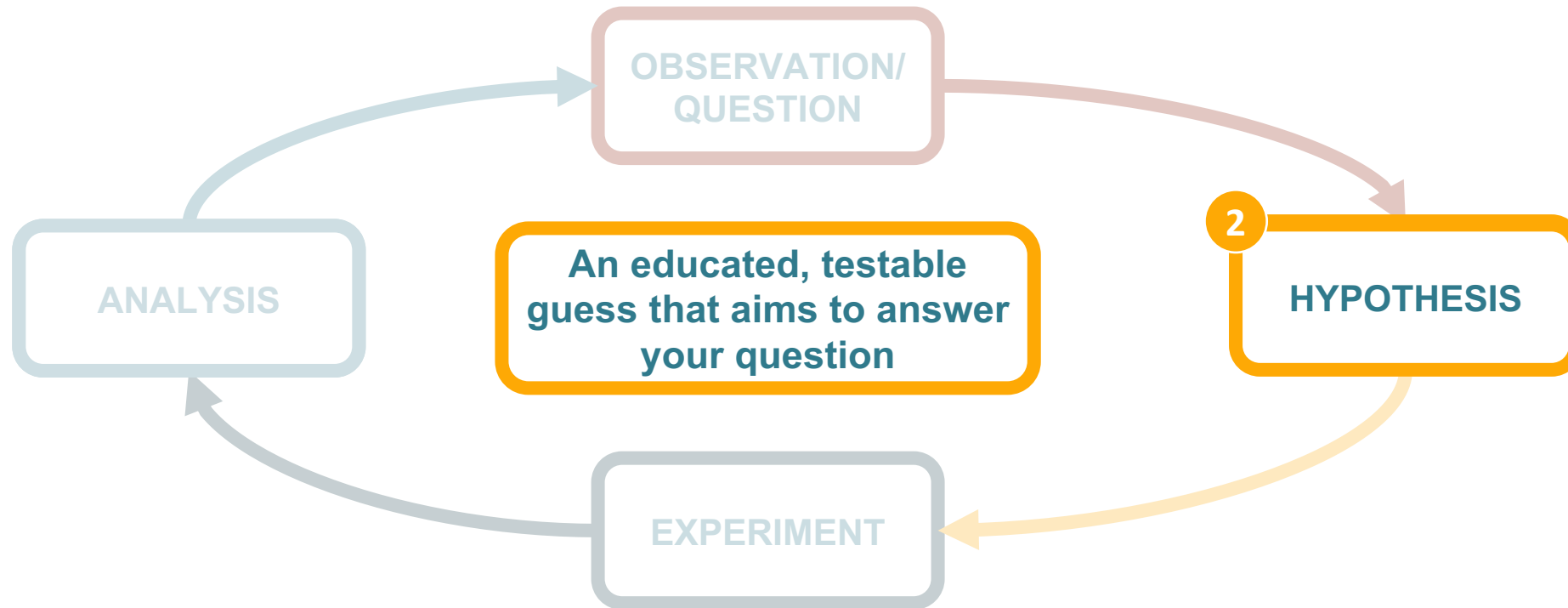
The process we use to do science is the Scientific Method



What is the Scientific Method?



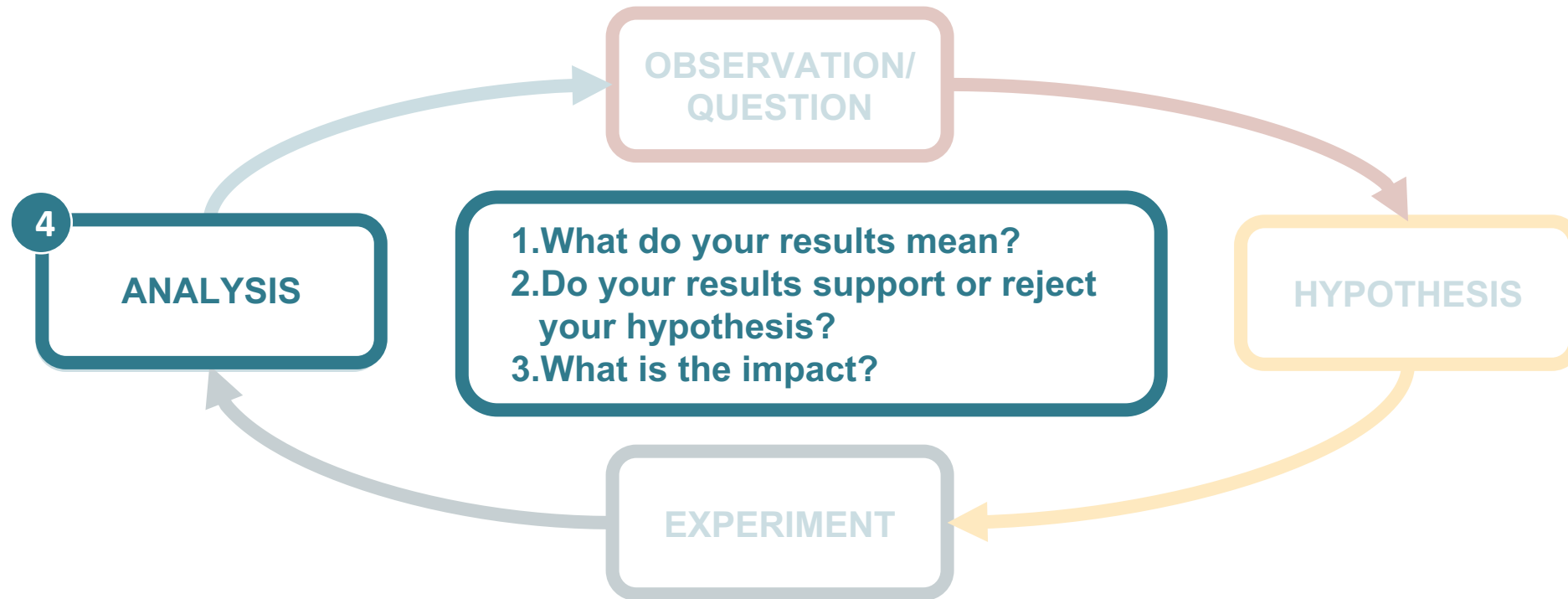
What is the Scientific Method?



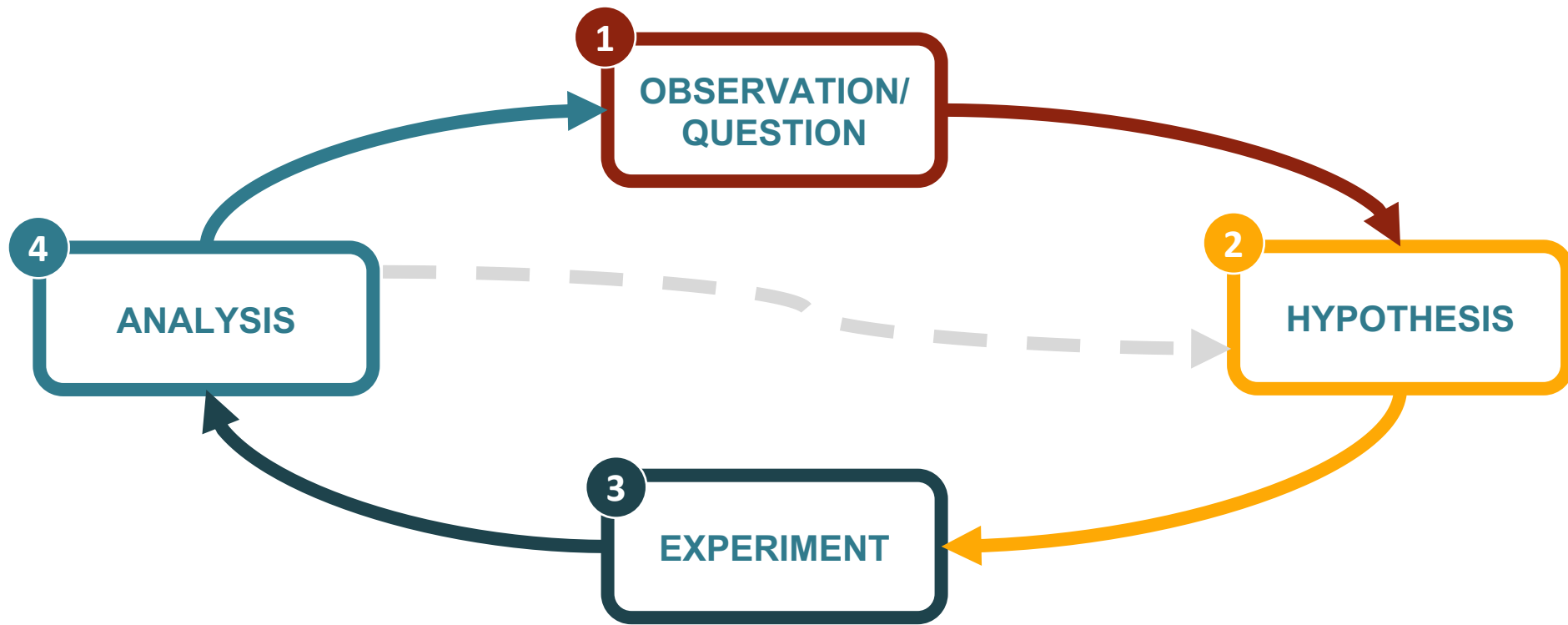
What is the Scientific Method?



What is the Scientific Method?



But Remember... It Is A Cycle



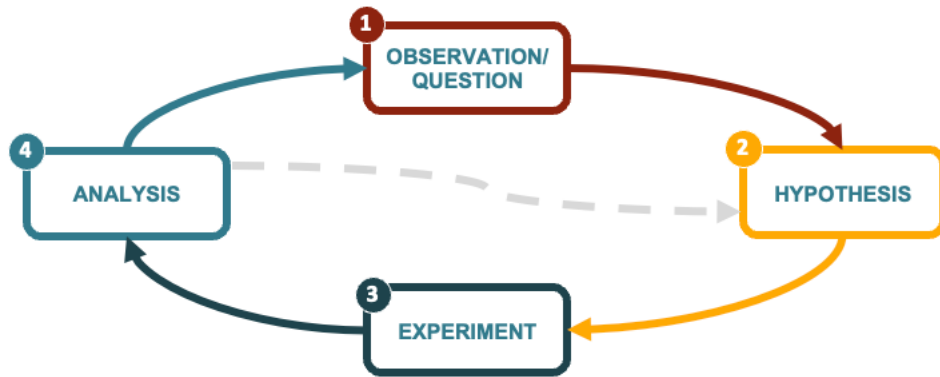
**Pull out your workbook and open to
pages 4 and 5**

Let's do an experiment!

Let's do an experiment!



How am I going to get this done?



- Each week we will do activities to learn about each step in detail
- We will apply that knowledge to designing your project
- You will show your mentors your progress and receive help
- At the end of 18 weeks you will present your work to real working scientists



What's Next???

Before we meet next, you should complete Module One on the Website! Let's check it out:

https://sciencefer.org/student_resources/

Week	Phase	Session	Type	Mode
1	1	Introduction to FER and The Scientific Method	Mentorship Session 1	Synchronous on Zoom
2		Asking Good Questions	Module 1	Asynchronous
3		Developing Research Questions and Finding Supporting Sources	Mentorship Session 2	Synchronous on Zoom
4	2	Crafting Your Hypothesis	Module 2	Asynchronous
5		Writing Testable Hypotheses	Mentorship Session 3	Synchronous on Zoom
6	3	Winter Break	None	Break
7		Winter Break	None	Break
8		Designing Your Experiment	Module 3	Asynchronous
9		Writing Project Proposals	Module 4	Asynchronous
10		Understanding Experimental Design	Mentorship Session 4	Synchronous on Zoom
11		Conduct Your Experiment	Experiment	Independent
12		Conduct Your Experiment	Experiment	Independent
		Project Coworking Hours	Open Door Meetings	Synchronous on WorkAdventure
13	4	Analyzing Your Data and Results	Module 5	Asynchronous
14		How to Analyze Data	Mentorship Session 6	Synchronous on Zoom
15	5	Abstract Writing	Module 6	Asynchronous
16		Communicating Your Findings in Presentation	Module 7	Asynchronous
17		Project Coworking Hours	Open Door Meetings	Synchronous on WorkAdventure
18		Practice Research Presentations	Presentations	Synchronous on WorkAdventure



Any Questions? Contact Us

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