

[E1T1 2022 Lesson Plan Template](#)

State and link to Goal module number, name and Lesson number and name; link to Goal Module Master Plan

Example: **Goal 11b: MIT MusicBlocks app dev,**
Lesson #4: Create UML Diagram

Reference links:

- [E1T1 2022 Goals/Modules/Lesson Plans Repository](#)
- [E1T1 2022 Program/Meeting Plans](#)
- Link Lessons plans to Goal Module.
- Use [E1T1 2022 Lesson Plans](#) template (this doc)
 - Example Lesson: Sarah's [Digital Forensics Lesson](#), Omar's Lesson Plan, [Link](#) to slides (start on slide 94), [Link](#) to Omar's lesson plan summary (needs to be more detailed)
 - Link a minimum of: Instructional Slide deck, gDoc detailed deliverable
 - Example Deliverable description: [Video Interview Deliverable](#)
- Feel free to create additional Lessons

Directions: **Make a copy of this template- do not edit**, post/link this artifact in the [E1T1 2022 Goals/Modules/Lesson Plans Repository](#) (and gClassroom as needed) when finished. Feel free to add or delete rows based on the lesson.

- I do, YOU do, WE do
- Learner engagement: Plan for an engagement activity every 5-10 minutes, e.g. poll, Kahoot, ask students to screen share and tell you what they are doing/have done
- Check for comprehension: Plan to check for comprehension every 5 minutes
 - Call on **individual students**; avoid asking questions of the group in general
 - Address students frequently individually, **by name**
 - Ask students to **screen share** frequently to demonstrate they are following along
 - Ask **closed-ended questions**: “**did you set up your account successfully, Frank?**”
 - Ask the interns to **share and demonstrate**: “**Please share your screen and show us**”
 - **Avoid open-ended questions like “Are there any questions?”**
- Link all materials here
- Record a 5-10 minute video delivering key lesson components

Goal/Module:

Target Students: (Example: Afterschool and Summer program interns)

Lesson Topic: (Example: Create UML Diagrams)

Lesson Objectives/Learning Outcomes: Interns will be able to...

Designed by: (Name)

Estimated Time: Lessons don't have to last for any specified time. Target about 40min-1h.

| Topic/Time? | Lesson Description: Coding Challenge | Who is responsible? |
|--------------------------------------|---|---------------------|
| Supplies: | <ul style="list-style-type: none"> ● Example: Deliverable link | Isaac |
| Icebreaker & Attendance (2 minutes) | <ul style="list-style-type: none"> ● Example: What was the highlight of your week last week? <ul style="list-style-type: none"> ● Start meeting recording ● Take attendance ● Type the icebreaker in chat ● Ask it verbally at class start time and repeat as interns trickle in ● Interns respond in chat while gathering, then verbally in turn when TL begins meeting and asks the question ● Icebreaker: Is Mac and Cheese a side or main dish? | Isaac |
| Introduction/Hook: (3 minutes) | <p>The purpose of this meeting is to...</p> <ul style="list-style-type: none"> ● Demonstrate a productive, engaging python programming challenge using classes specifically ● Share an example of how I do the programming challenge ● Allow time for you to practice the challenge on your own or with a friend/colleague | Isaac |
| Skill instruction: I DO: (5 minutes) | <ul style="list-style-type: none"> ● Start with a question. Example: What is the skill/process for how you create a python class and corresponding methods to solve a problem ● I show my example of giving 4 different people different drinks at a restaurant (4 different instances, maybe use method <code>pour_drink</code> to show a method) | Isaac |
| Guided practice: WE DO: (25 minutes) | <p>WE DO:</p> <ul style="list-style-type: none"> ● Create breakout rooms, 3 in each, but you don't need to talk, only collaborate if you feel it necessary ● I stay in main room, ready to answer questions ● Specifics: create a class and 4 instances of that class - use your surroundings for inspiration! Utilize and least 3 separate methods and cause some change - (I'll show example of my code restaurant example) | Isaac |
| Discussion (10) | <ul style="list-style-type: none"> ● Ask each intern to show their progress no rush or pressure, however ● Give some quick advice to each intern to guide their solo progress on deliverable | Isaac |
| Extension: | <p>If you finish early... (regular learner) ask your partner to review your lesson,</p> | Omar |

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| | (advanced learner) start a new lesson | |
| Total time: | 45 Minutes | |