

Learning Support:
Successful Learning Series



CodeClan
Bridging the digital skills gap

Active Learning

www.codeclan.com



Active Learning_

- What do you think **Active Learning** means?
- What might be the opposite of **Active Learning**?
- What might be the advantages of **Active Learning**?

Active Learning_

Focus for today:

- Know what is meant by 'Active Learning'.
- Understand how to use 'Active Learning' techniques.
- Be able to appreciate the advantages 'Active Learning' may have for your own career.

Effort

Part of active learning



Challenges

Perseverance



Practicing a Growth Mindset_

Mistakes

Learning opportunities



Feedback

Use it to improve



Active Learning_

1. Before the learning...

Anticipate



2. During the learning...

Analyse



3. After the learning...

Reflect



1. Anticipate_

- What am I going to be learning about?
- What do I already know about this topic?
- Will I be learning knowledge, a skill, or both?
- Will it be easy or hard?
- When might this learning be useful?
- What questions do I hope will be answered?

Know how you prefer to learn_

- Visual, auditory or kinesthetic learning?
- Rote, process, big picture
- On your own, in a group
- With music, without music



<https://www.thoughtco.com/what-is-your-learning-style-4045353>

Making a Personal Learning Plan_

Goal	SMART Targets	How I'm achieving this
	S pecific M easurable A chievable R elevant T ime-based	

2. Analyse_

- Does this new information make sense?
- Does it align with what I already know?
- If it conflicts, which bit conflicts, and how?
- How can we resolve this conflict?
- What uses does this new information have?
- What challenges does this information present?

Cognitive Dissonance_

What is Cognitive Dissonance?

“...the state of having inconsistent thoughts, beliefs, or attitudes, especially as relating to behavioural decisions and attitude change.”

This can produce a feeling of mental discomfort leading to an alteration in one of the attitudes, beliefs or behaviors to reduce the discomfort and restore balance.

“Aubergines are a fruit”

Problem Solving: A Cheat Sheet

01. Understand the problem
 - a. Plan your attack
 - b. Break it down
02. Stuck? Debug and BBBB
03. Pomodoro technique
04. Personal learning plan
05. Practice makes perfect



Understand the Problem_

We want you to make a class that represents a CodeClan student.

- Create a class called Student that takes in a name (String) and a cohort (string - e.g "E18", "G6", etc) when an new instance is created.
- Create a couple of Getter methods, one that returns the name property and one that returns the cohort property of the student.
- Add in Setter methods to update the students name and what cohort they are in.
- Create a method that gets the student to talk (eg. Returns "I can talk!").

Effective Questioning_

- Flip the question - instead of the “What do I do?” approach, try “This is what I think is going on”.
 - What were you doing?
 - What were you trying to achieve?
 - What have you already tried?
- Speculative questions - when and how to ask
- Rubber duck

3. Reflect_

- What have I learned today?
- How does it fit with what I already know?
- How does it change what I thought I knew?
- How is it different from what I was expecting?
- How has the big picture changed?
- How does it help me meet my goal?
- What questions does it raise for tomorrow?

Managing your learning time_

- Try a time audit
- Review how you are using your learning time
- Once you dedicate time to learning, stick to it

Tuesday evening learning 8pm - ___

How do we make this work? _

Before: Anticipate “I will learn...”

What?
How?
Why?
Questions?



During: Analyse “fit and use”

What?
How?
Why?
Questions?



After: Reflect “the big picture”

What?
How?
Why?
Questions?



How will you become an Active Learner?

- What could you do differently next week?
- When could you do these things?
- How could you record your thoughts?

Summary: Active Learning Techniques

- Understand your own learning process
- Structure and manage your learning
- Practice problem-solving skills
- Use effective questioning
- Anticipate, Analyse and Reflect

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Learning Support: here to help_

Face to face

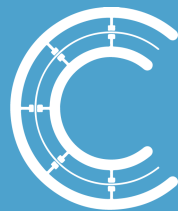
Monday Drop-in

Slack

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Thanks_