



An Roinn Oideachais
Department of Education

National Workshop 3

Day 2 Session 2

Overview of the Session

Part 1

ALT2 Plan

Movement Break

Part 2

Feedback

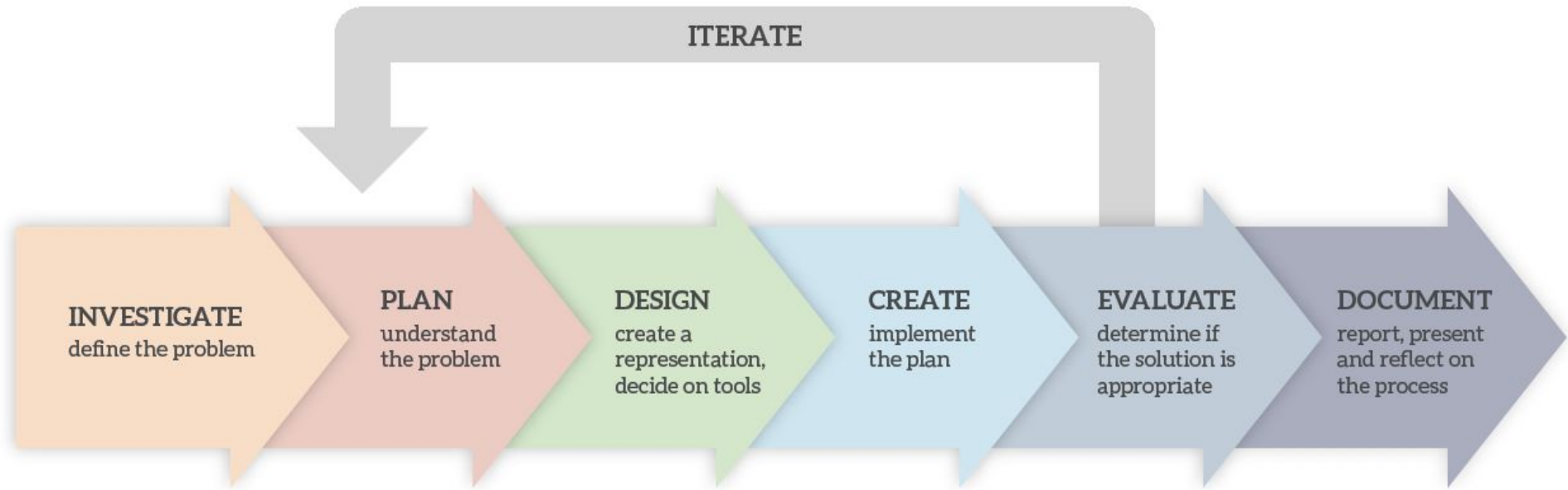
Movement Break

Part 3

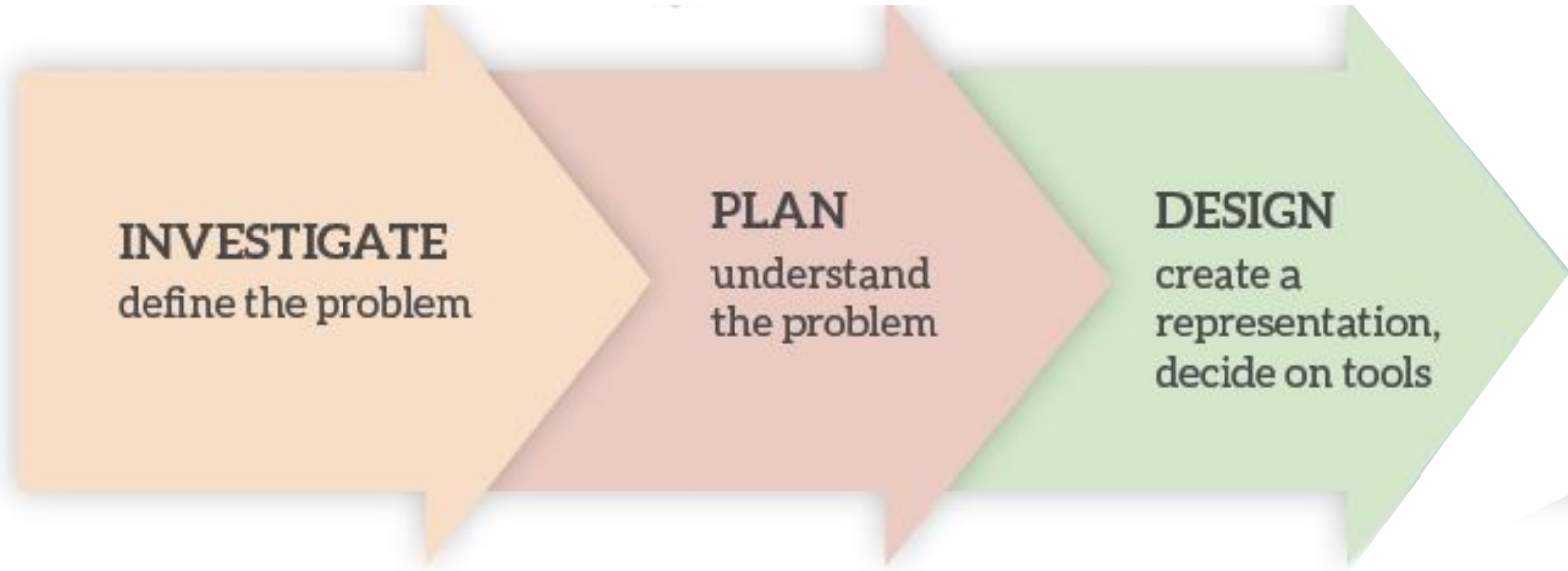
ALT2 Design

ALT 2

Plan



The Design Process



2

PLAN

understand
the problem

The interdisciplinary nature of data (LC)

Chemistry Mathematics
Irish History PE English
Politics and Society Economics
German Biology Art T4
Physics Geography Chemistry
Wellbeing Ag Science

Group Activity: ALT 2 - Plan (20 minutes)

Choose one hypothesis and consider the following prompts:

What does your project do/not do?

Aims? Any limitations?

Who are the end users?

What are the tools/materials required?

What are the roles and responsibilities?

Does your project cover all the LOs for this ALT?

Are there any ethical issues?

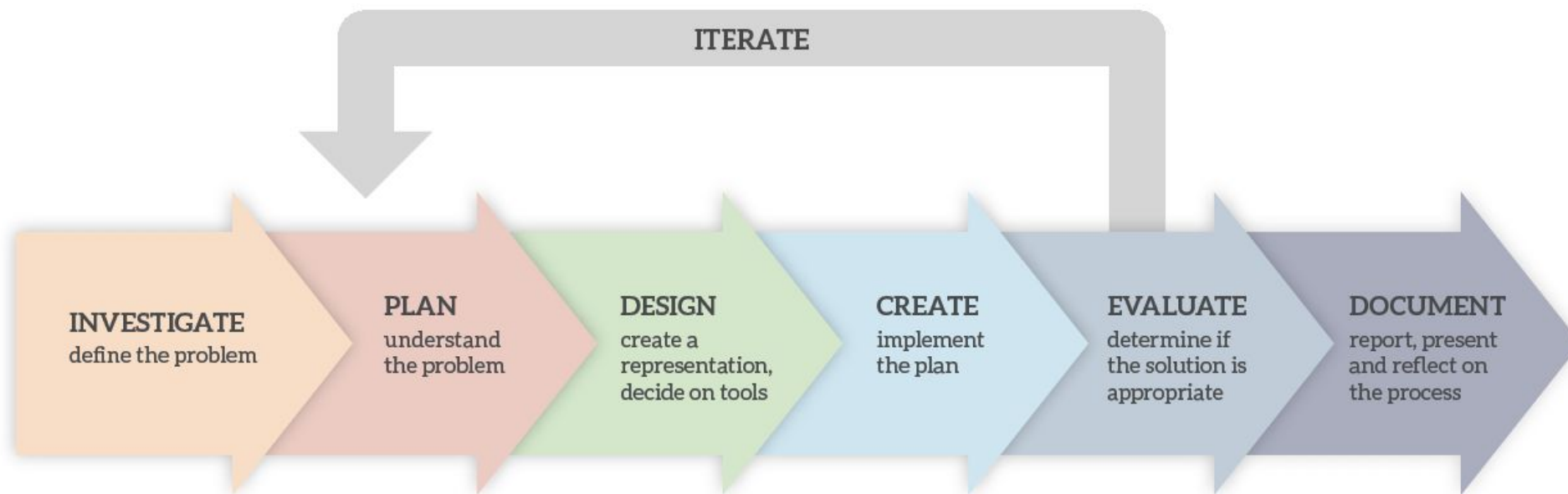


Feedback



ALT 2

Design





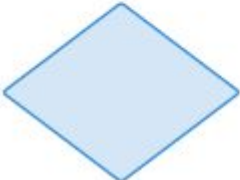


3

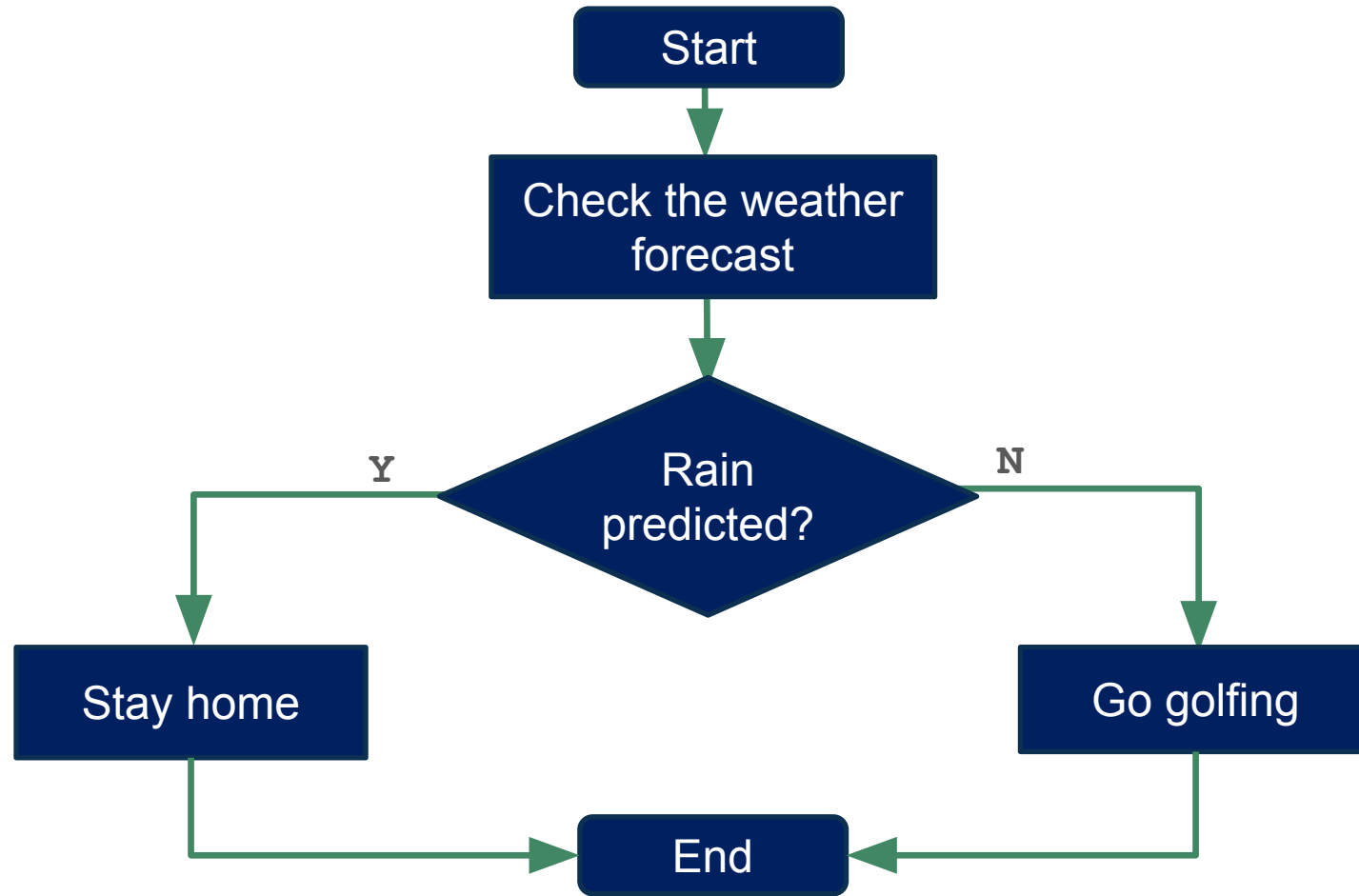
DESIGN

create a
representation,
decide on tools

Flowcharts

Symbol	Name	Function
	Start/End	An oval represents a start or end point
	Arrows	A line is a connector that shows relationships between the representative shapes
	Input/ Output	A parallelogram represents input or output
	Process	A rectangle represents a process
	Decision	A diamond indicates a decision

Flowchart: Should I play golf?



Pseudocode: Should I play golf?

program start

check weather forecast

if rain predicted

Stay home

else

Go golfing

end if

program end

Pseudocode: Should I play golf?

check weather forecast

if rain predicted

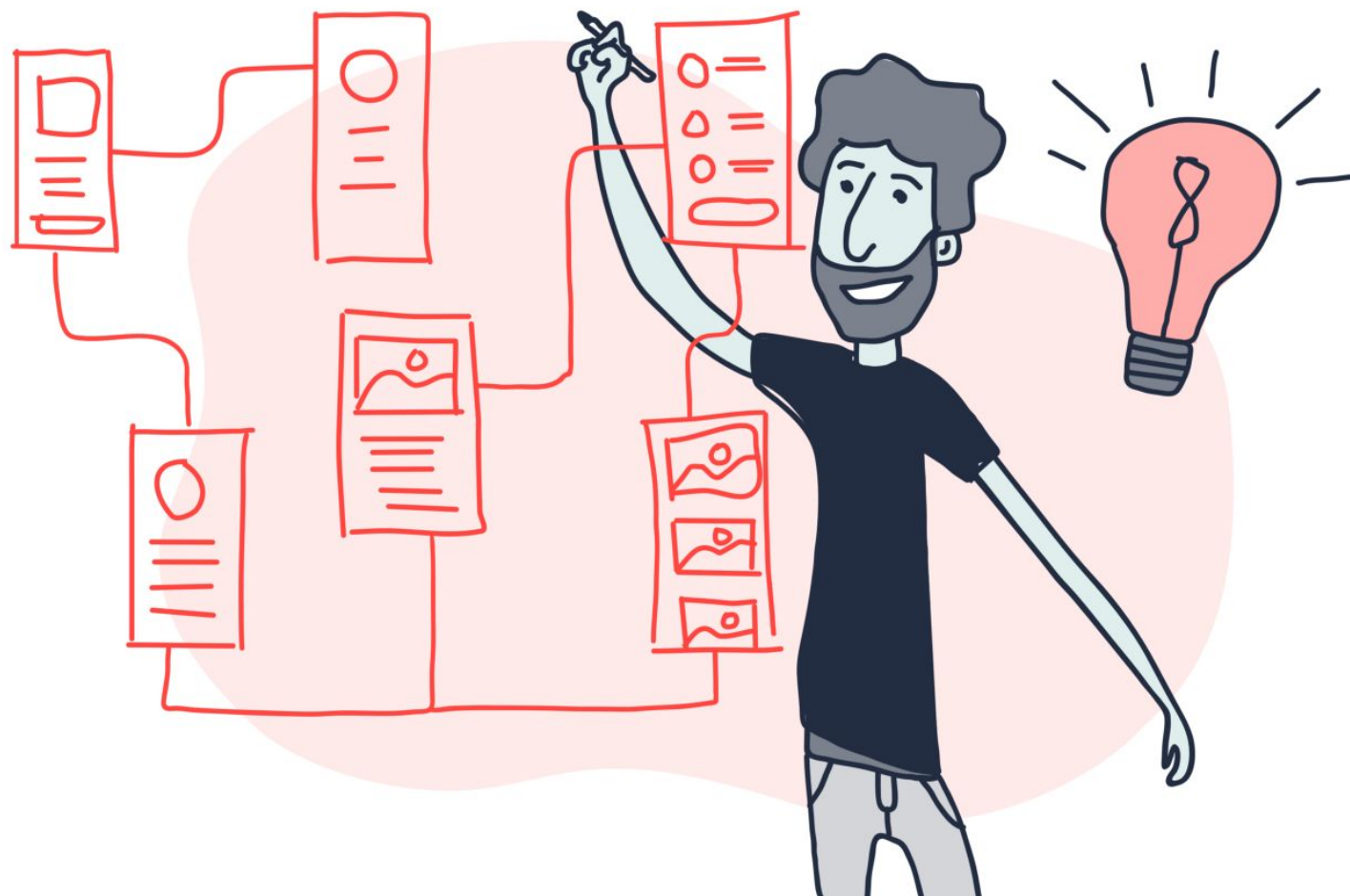
Stay home

else

Go golfing

end if

Wireframing

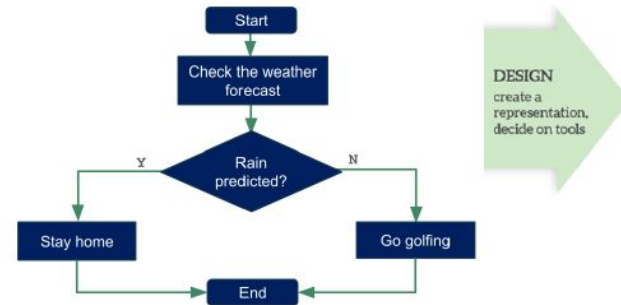


Group Activity: ALT 2 - Design (20 minutes)



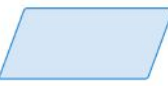
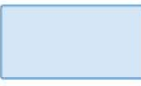
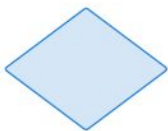
Pseudo-code

```

program start
check weather forecast
if rain predicted
  Stay home
else
  Go golfing
end if
program end
  
```



Flowcharts

Symbol	Name	Function
	Start/End	An oval represents a start or end point
	Arrows	A line is a connector that shows relationships between the representative shapes
	Input/ Output	A parallelogram represents input or output
	Process	A rectangle represents a process
	Decision	A diamond indicates a decision



Lunch





An Roinn Oideachais
Department of Education



© PDST 2023