

H2 Computing

Teaching Staff

- ▶ Mr David Tan
- ▶ Ms Foo Fang Fang

Technical Support

- ▶ Mr Tan Wei Keng
- ▶ Mr Riduan / Isaac

Success Factors for H2 Computing

- ▶ Self-directed learner
- ▶ Perseverance
- ▶ Agility
- ▶ Resourcefulness
- ▶ Clarity

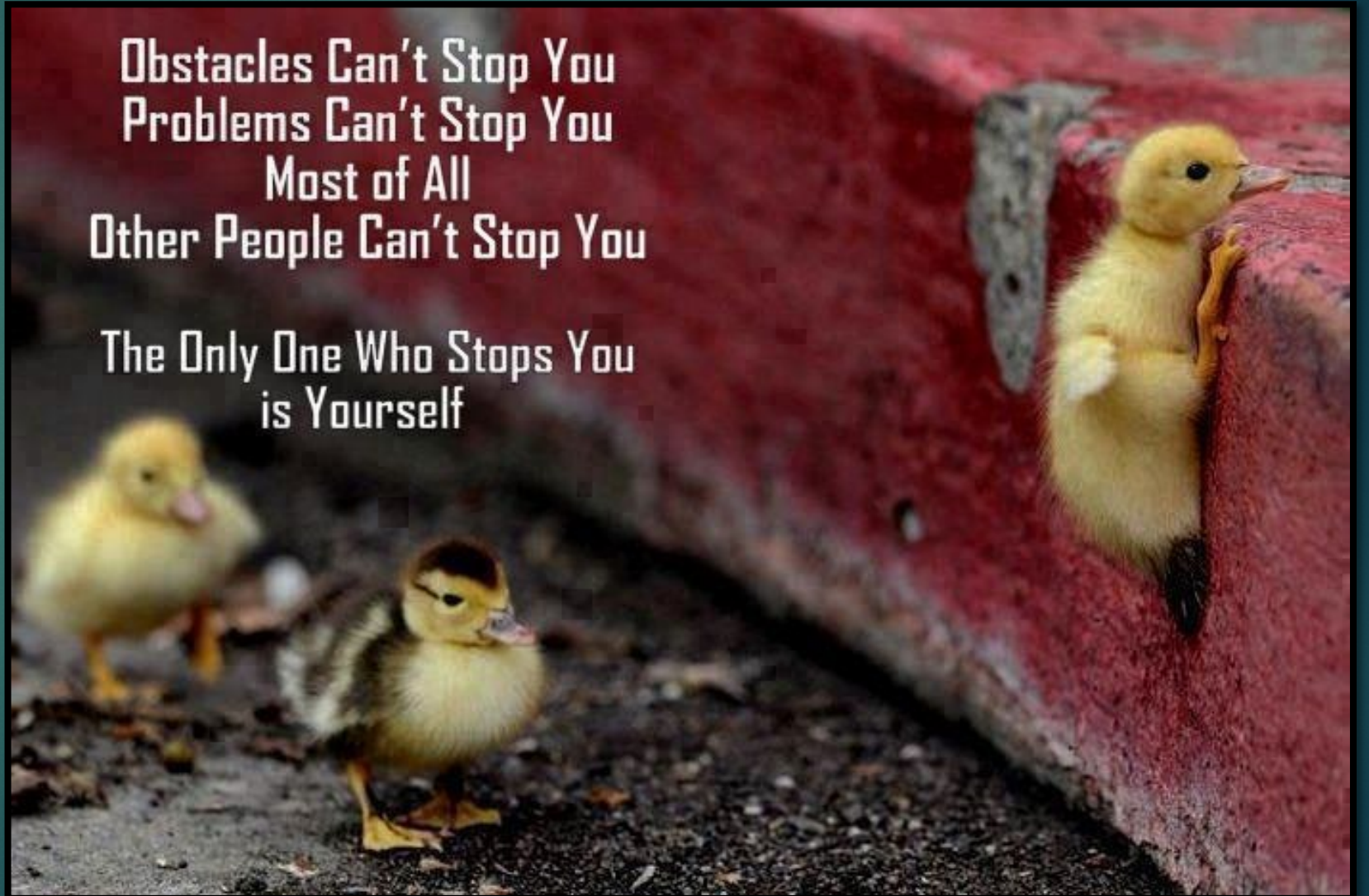
Self-directed Learners



Perseverance

Obstacles Can't Stop You
Problems Can't Stop You
Most of All
Other People Can't Stop You

The Only One Who Stops You
is Yourself



Agility



Resourcefulness



Clarity





Taking this
course does not
guarantee
success.

Only **YOU** can
guarantee your
success.

H2 Computing (9569)

Section 1

Algorithms and Data Structures

Section 2

Programming

Section 3

Data and Information

Section 4

Computer Networks

Section 1

Algorithms and Data Structures

Section 2

Programming

Section 3

Data and Information

Section 4

Computer Networks

- ▶ 1.1 Algorithmic Representation
- ▶ 1.2 Fundamental Algorithms
- ▶ 1.3 Data Structures

Section 1

Algorithms and Data Structures

Section 2

Programming

Section 3

Data and Information

Section 4

Computer Networks

- ▶ 2.1 Coding Standards
- ▶ 2.2 Programming Elements and Constructs
- ▶ 2.3 Implementing Algorithms and Data Structures
- ▶ 2.4 Data Validation and Program Testing
- ▶ 2.5 Fundamentals of Object-Oriented Programming.

Section 1

Algorithms and Data Structures

Section 2

Programming

Section 3

Data and Information

- ▶ 3.1 Data Representation
- ▶ 3.2 Character Encoding
- ▶ 3.3 Databases and Data Management
- ▶ 3.4 Social, Ethical, Legal and Economic Issues.

Section 4

Computer Networks

Section 1

Algorithms and Data Structures

Section 2

Programming

Section 3

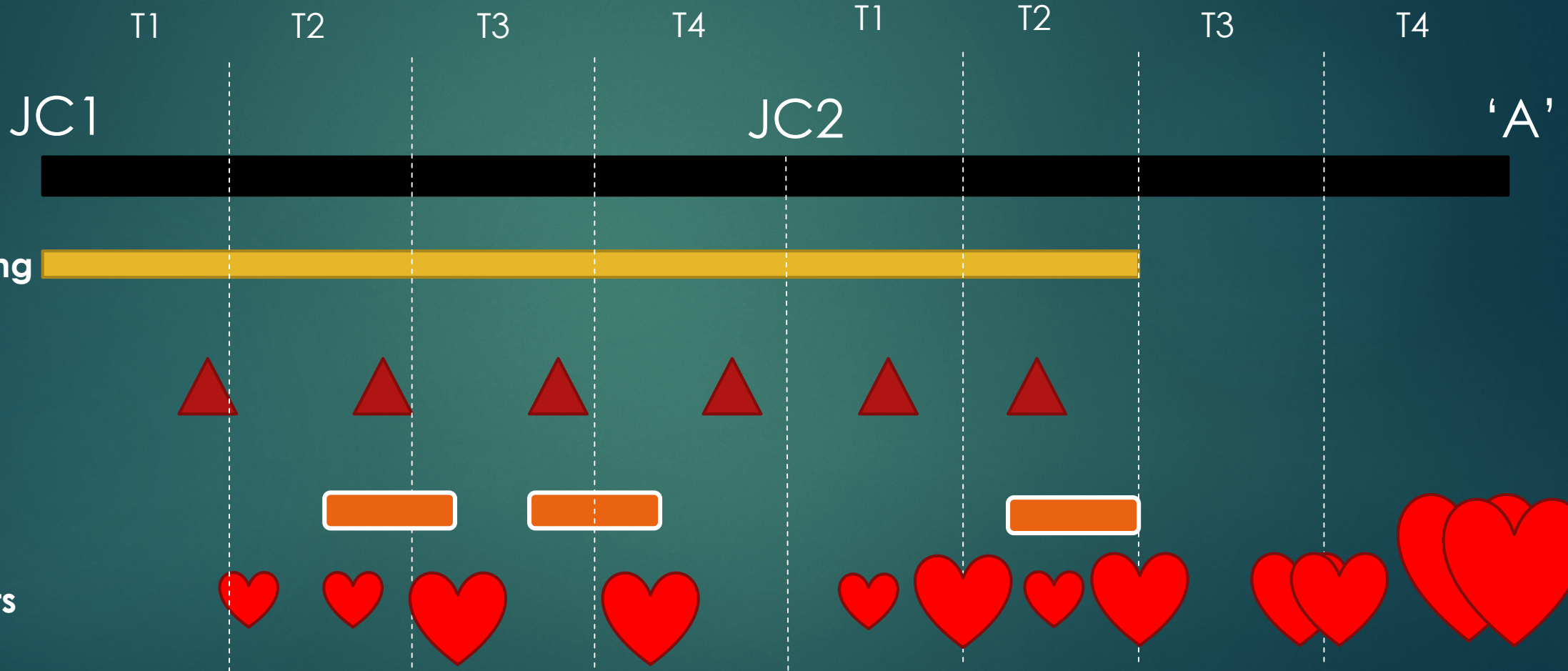
Data and Information

Section 4

Computer Networks

- ▶ 4.1 Fundamentals of Computer Networks
- ▶ 4.2 Web Applications
- ▶ 4.3 Network Security

Timeline



A Complete Portfolio

- ▶ **Learning Content**
- ▶ **Projects**
- ▶ Competitions
- ▶ Learning Journeys
- ▶ Organising / Support College and External Computing Events

About our Lessons

Interim Timetable

2 x 100 minute lessons

Venue : Com Lab 4 & 5

Permanent Timetable

3 x 100 minute lessons

Venue : Com Lab 4

Learning Essentials

- ▶ Laptops with Internet Connectivity
 - ▶ Jupyter, Python IDLE and DB Browser
- ▶ Coursemology
 - ▶ Lesson Topics & Scheme of Work (working copy)
 - ▶ Lecture Slides (pdf) and Video
 - ▶ Tutorial
 - ▶ Checkpoints
 - ▶ Clarify Contents (Forum and Comment)
 - ▶ Resources
- ▶ Google Productivity Apps (for Collaborative Projects)
- ▶ WhatsApp Group (for Communication)

Class Culture

- ▶ Punctuality
- ▶ On task
- ▶ Be self-directed
- ▶ Finish today's work
- ▶ Be prepared for the next lesson
- ▶ Be professional at all time

We are
the
Computing
students

