

Current Developments in Technology Education

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NCCA

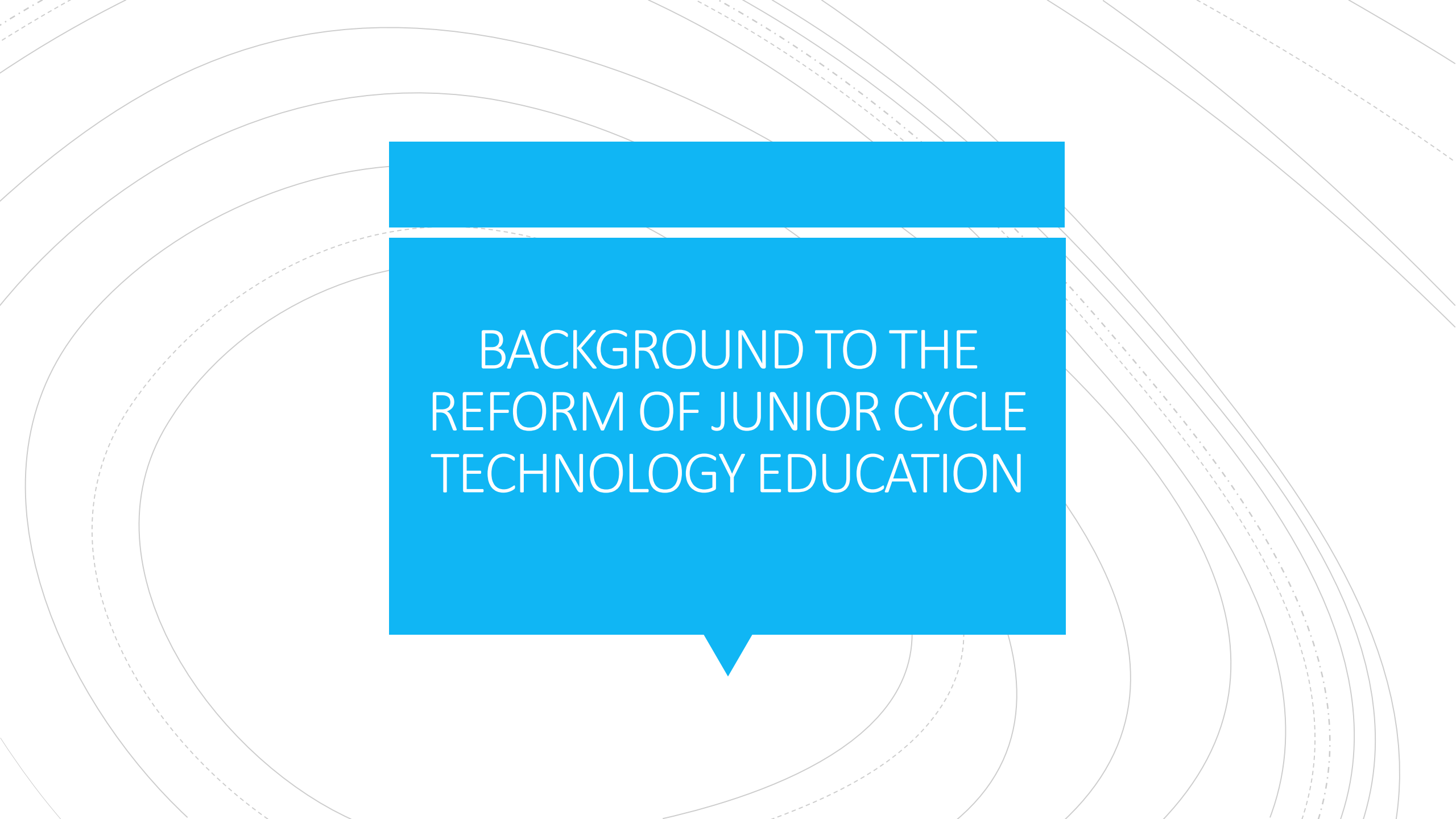


An Chomhairle Náisiúnta Curaclaim agus Measúnachta
National Council for Curriculum and Assessment

Phase 5 of Junior Cycle Reform

PHASE 5

TECHNOLOGY SUBJECTS, RELIGIOUS
EDUCATION, JEWISH STUDIES AND CLASSICS
Introduced to first years in 2019-2020
For certification in autumn 2022

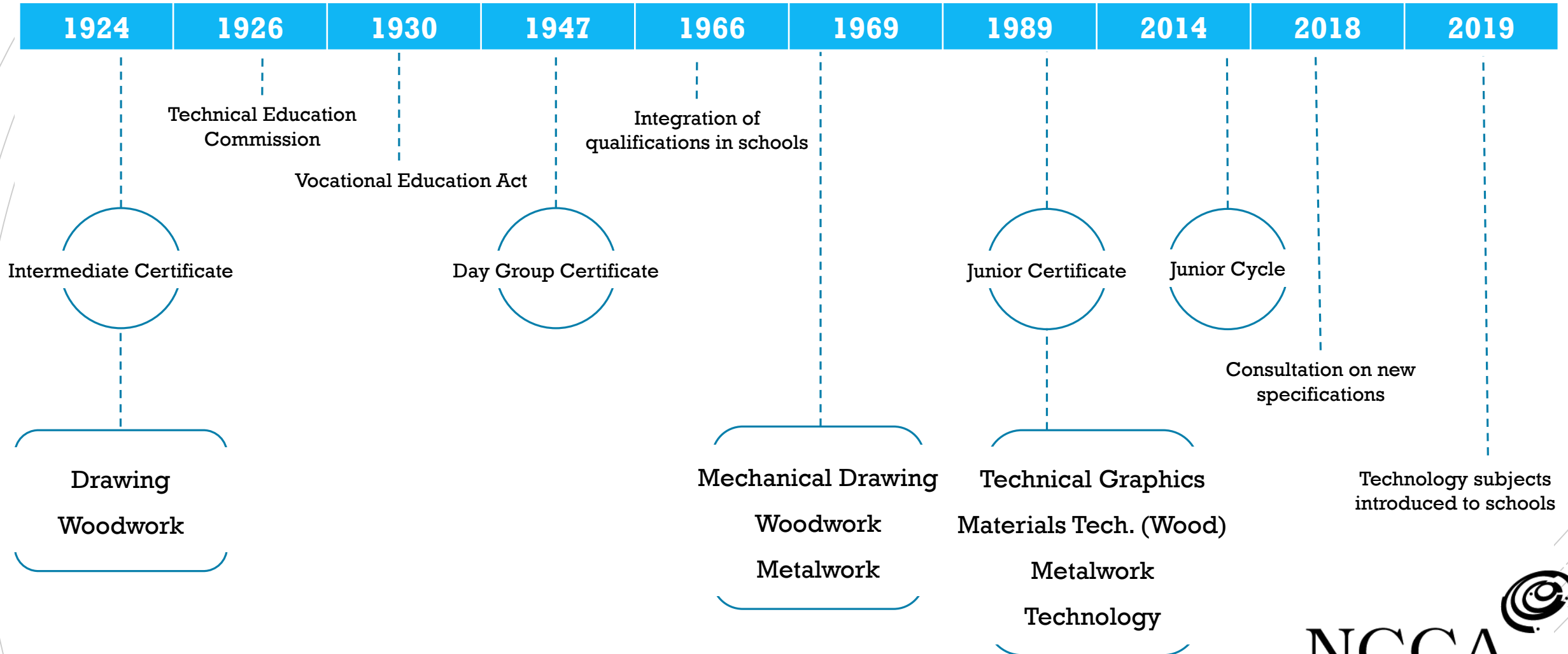


BACKGROUND TO THE
REFORM OF JUNIOR CYCLE
TECHNOLOGY EDUCATION

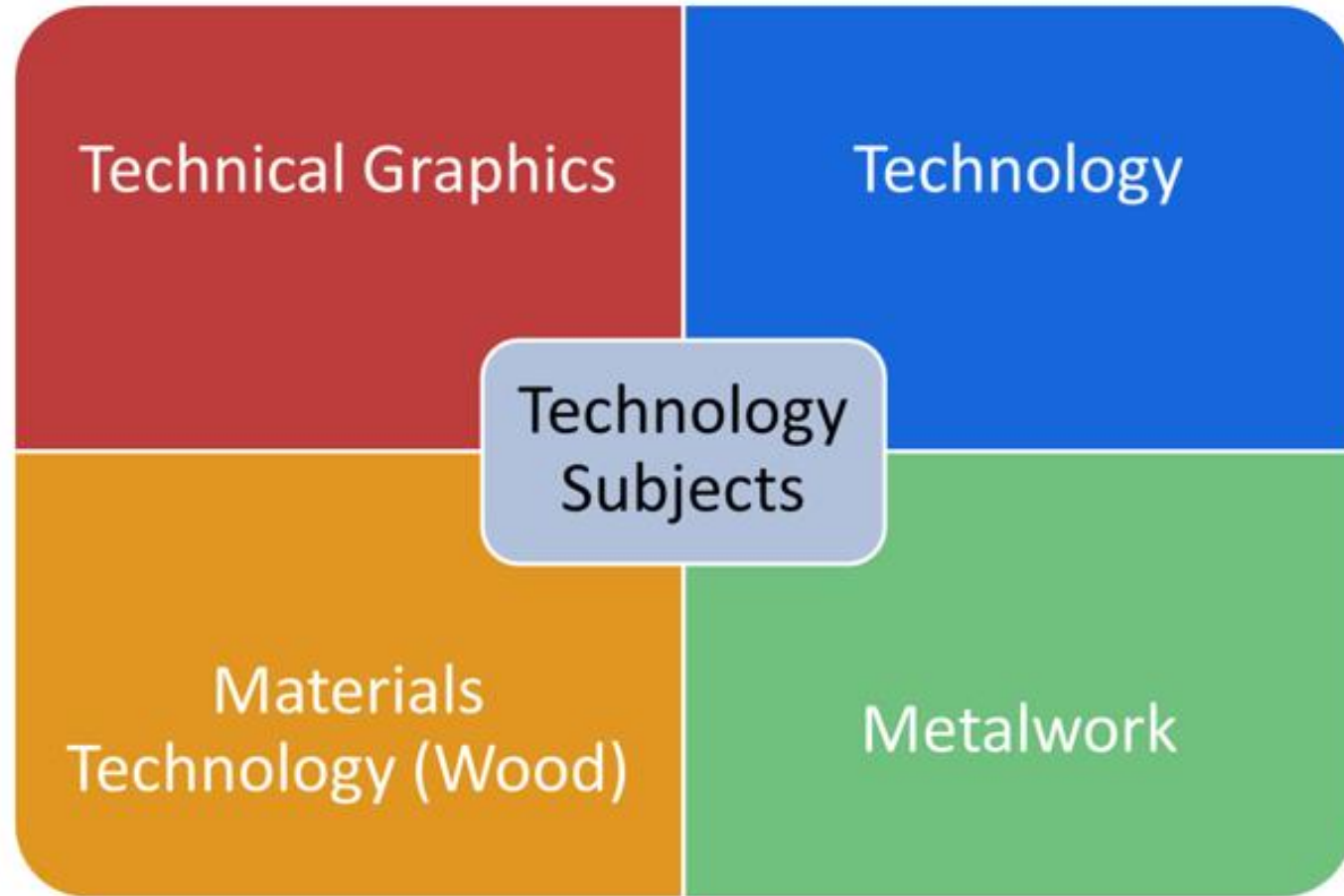
Timeline of the technology subjects



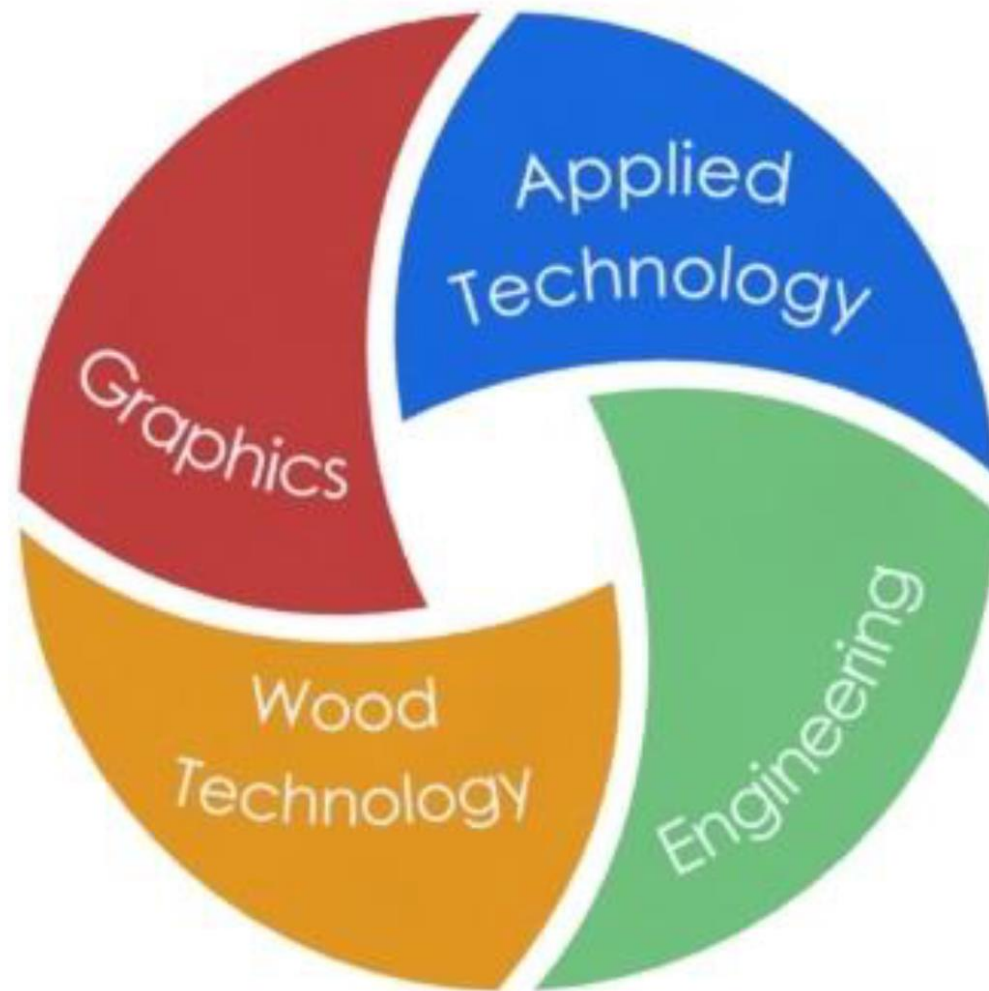
Timeline of the technology subjects



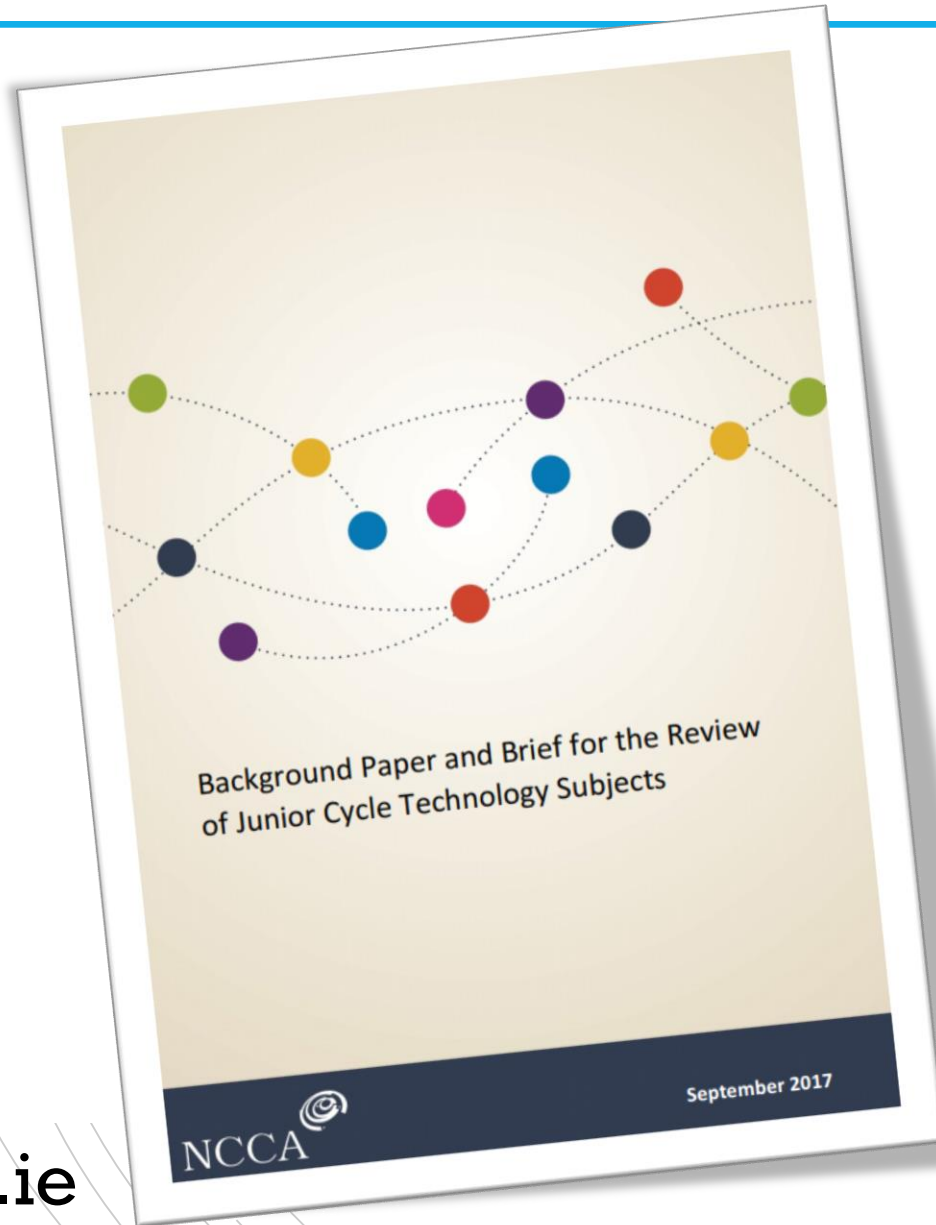
Current Technology suite



New Technology suite



Background Paper and Brief for the Review

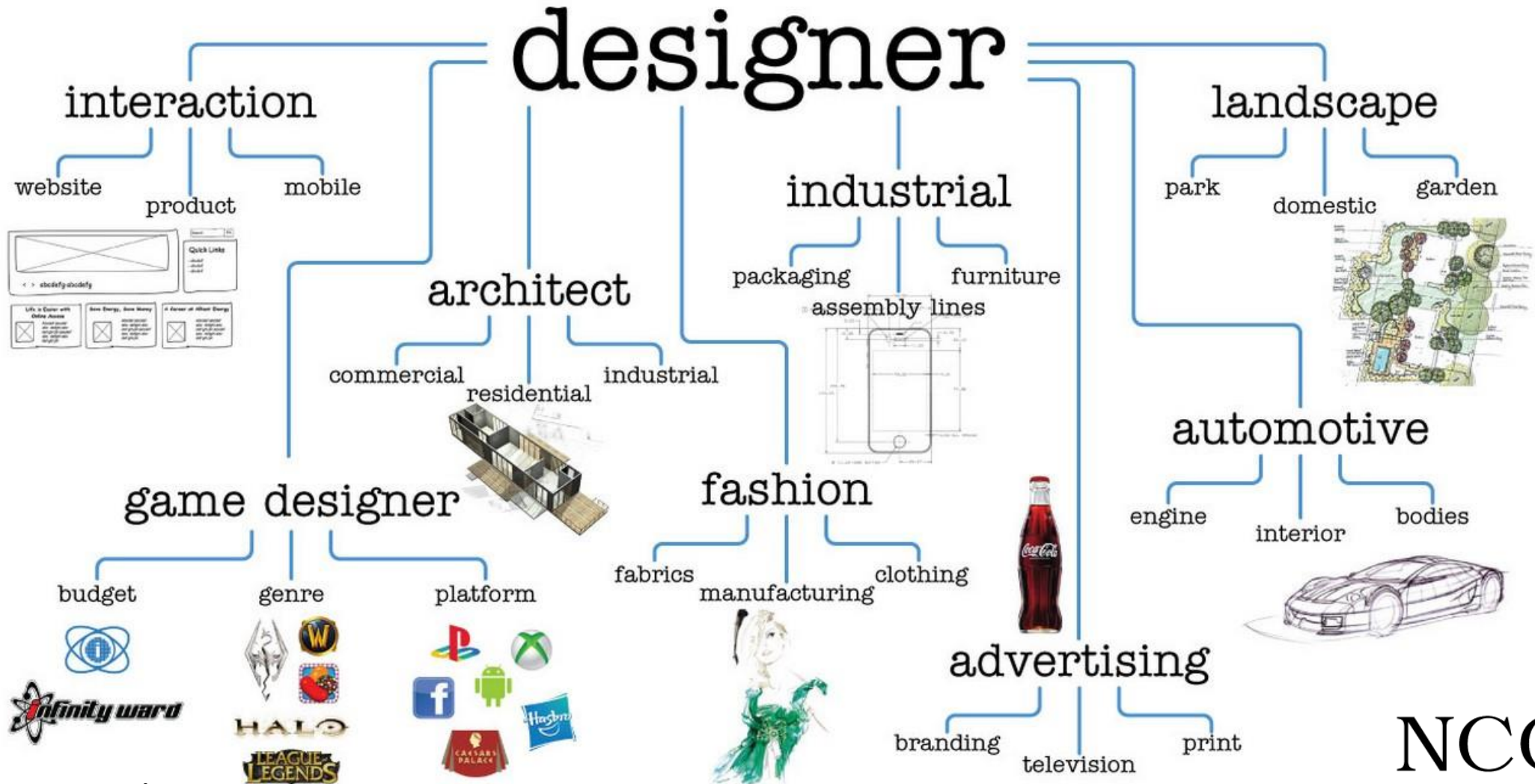


- Looked at international practice at a glance
- Highlighted emerging themes that set out the brief for the development of the technology subjects

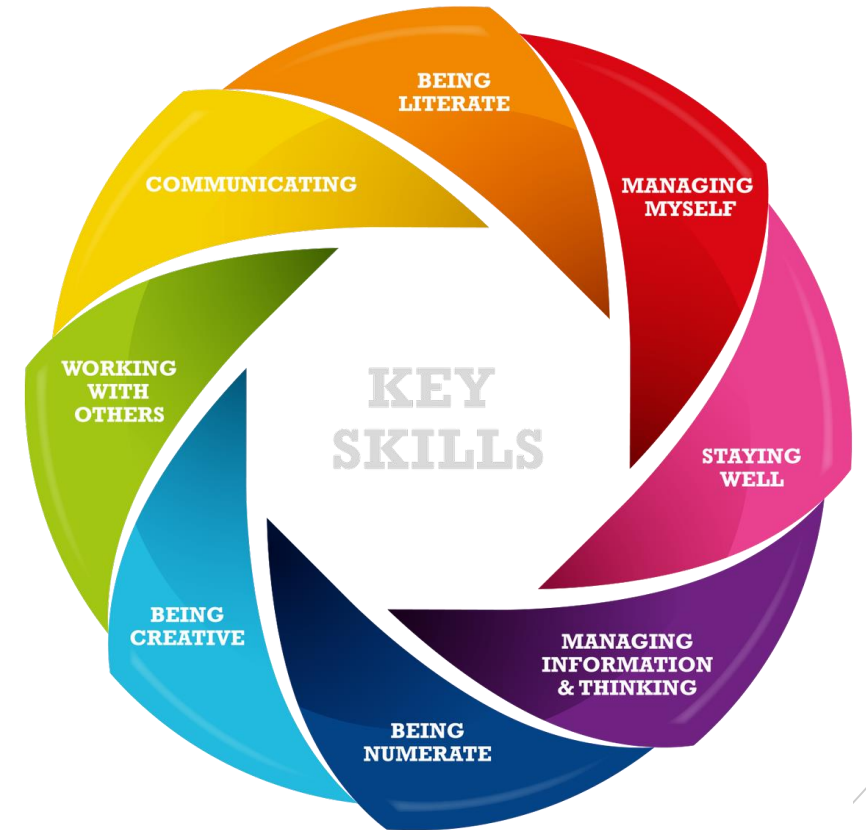
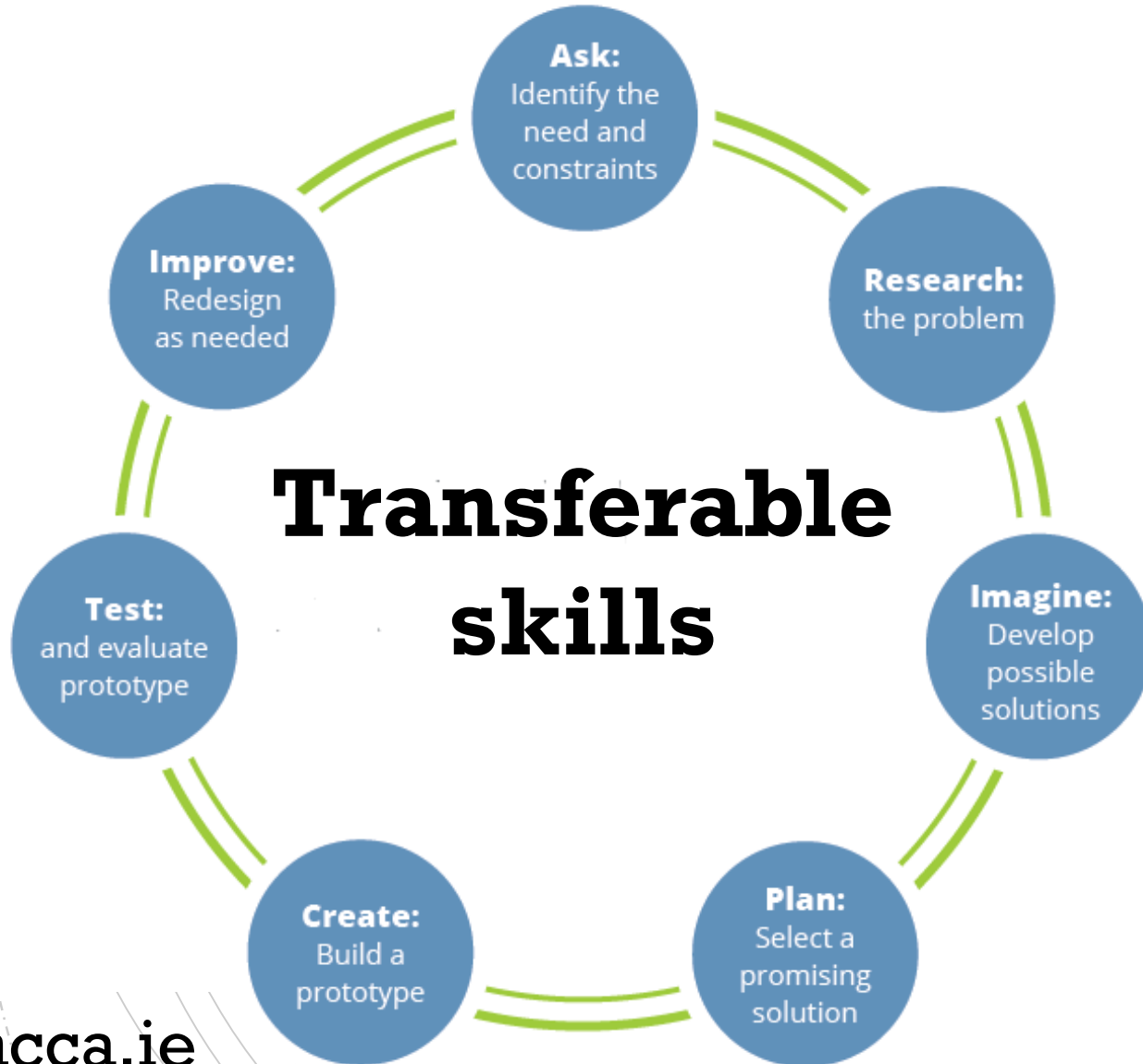
Technology subjects and Design

designer

Technology subjects and Design



The design process



Technology subjects and STEM

S T E M

Technology subjects and STEM

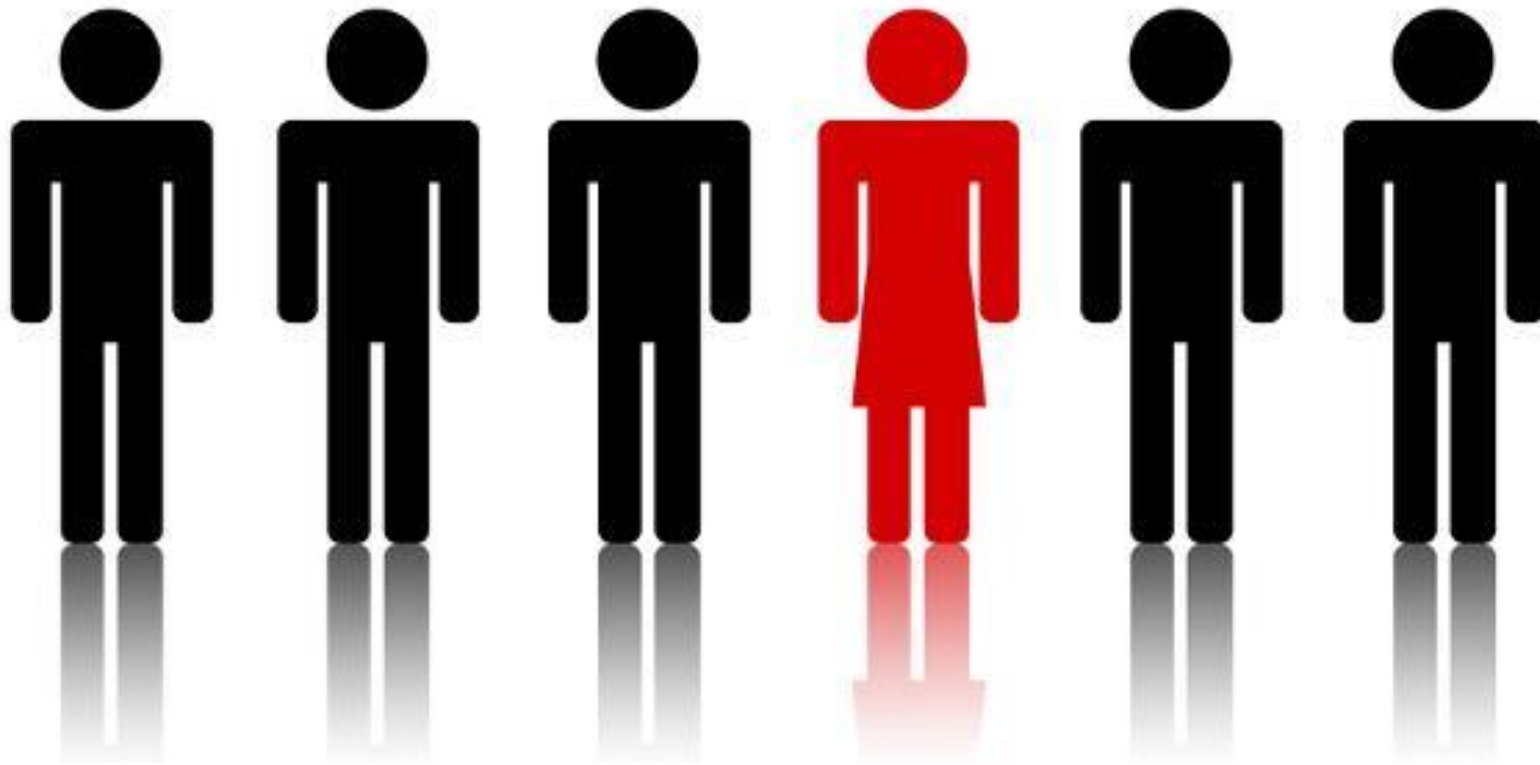
S T E M

Technology subjects and STEM

While concerns in relation to science and mathematics are clearly evident in current literature, there does not appear to be a comparable level of interest in the technology-related subjects at second-level.

(McGarr & Lynch, 2015)

Technology subjects and the Gender Imbalance



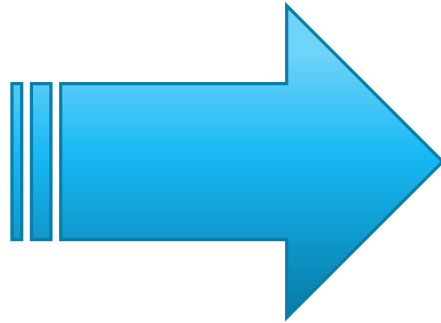
The background features several concentric circles of varying radii, some solid and some dashed, creating a sense of depth and movement. A prominent blue callout box is centered on the page, containing the text 'NEW SUBJECT SPECIFICATIONS'.

NEW SUBJECT
SPECIFICATIONS

From a syllabus to a specification

Syllabus

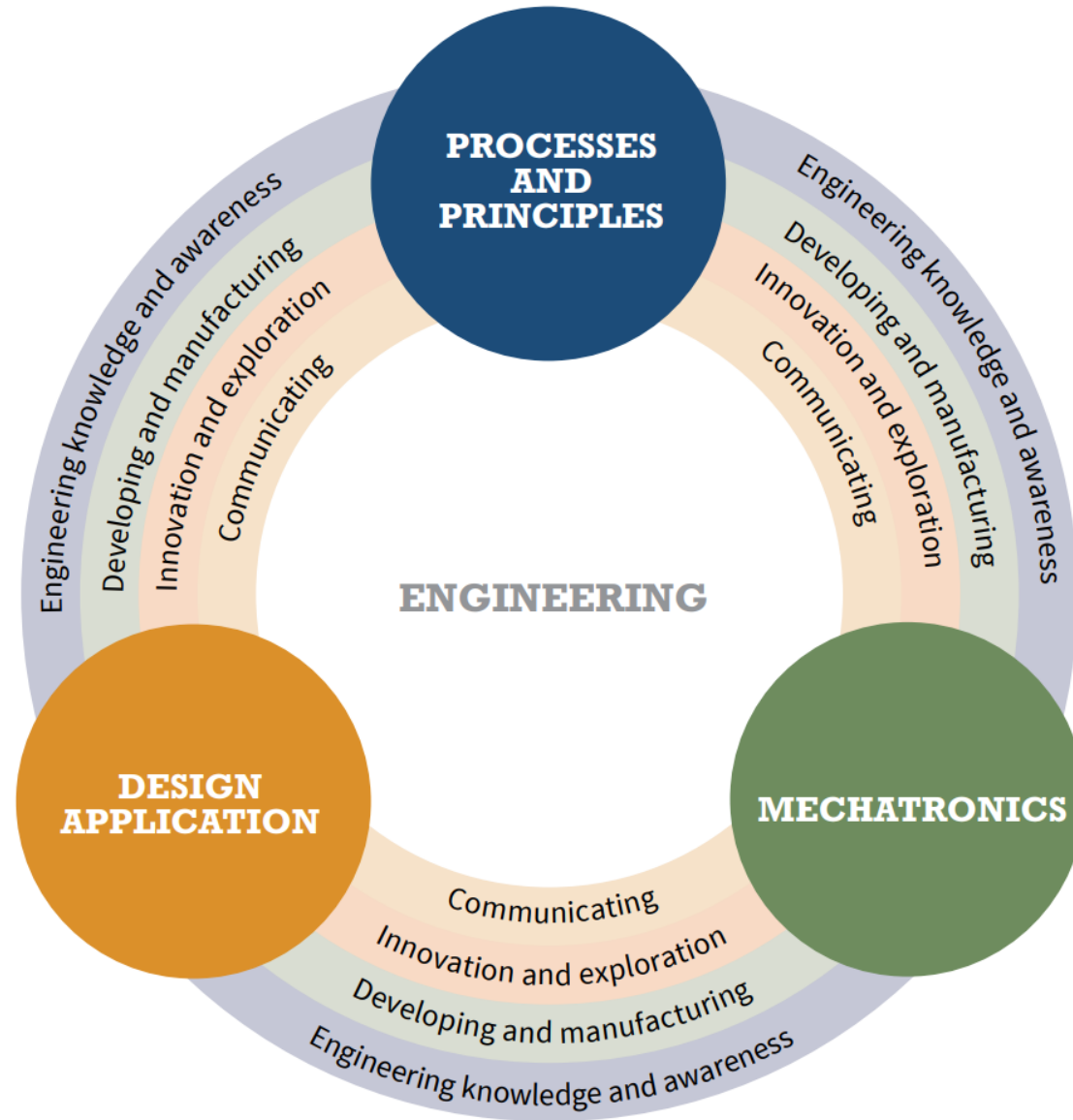
describes an overview of course content, and lists what is to be taught



Specification

describes a systematic representation of the content, described as learning outcomes. It specifies what students should be able to do, rather than what they should know, and has flexibility of teaching and learning approaches built in.

Structure of new specifications



Structure of new specifications

What is different in terms of the assessment of the
Technology Subjects?

CBA 1

CBA 2

Project

Exam

A blue speech bubble with a white outline and a small tail pointing downwards. The text 'Applied Technology' is centered inside the bubble in a white, sans-serif font. The background of the slide features a pattern of thin, light gray concentric circles and dashed lines, creating a sense of depth and movement.

Applied Technology

Applied Technology

**Principles
and
practices**

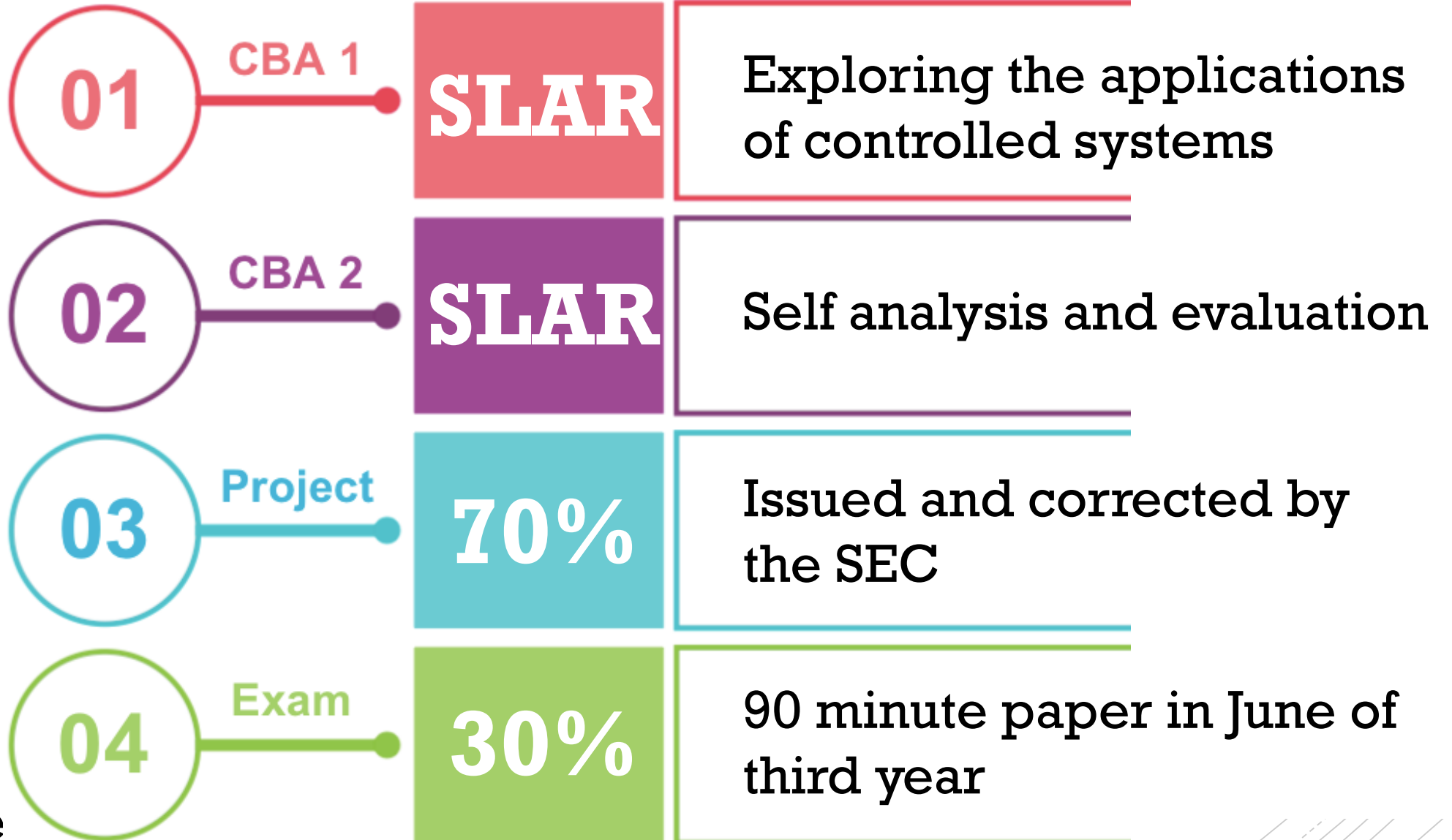
**Energy
and
control**

**Technology
and
society**

Applied Technology



Applied Technologies





Engineering

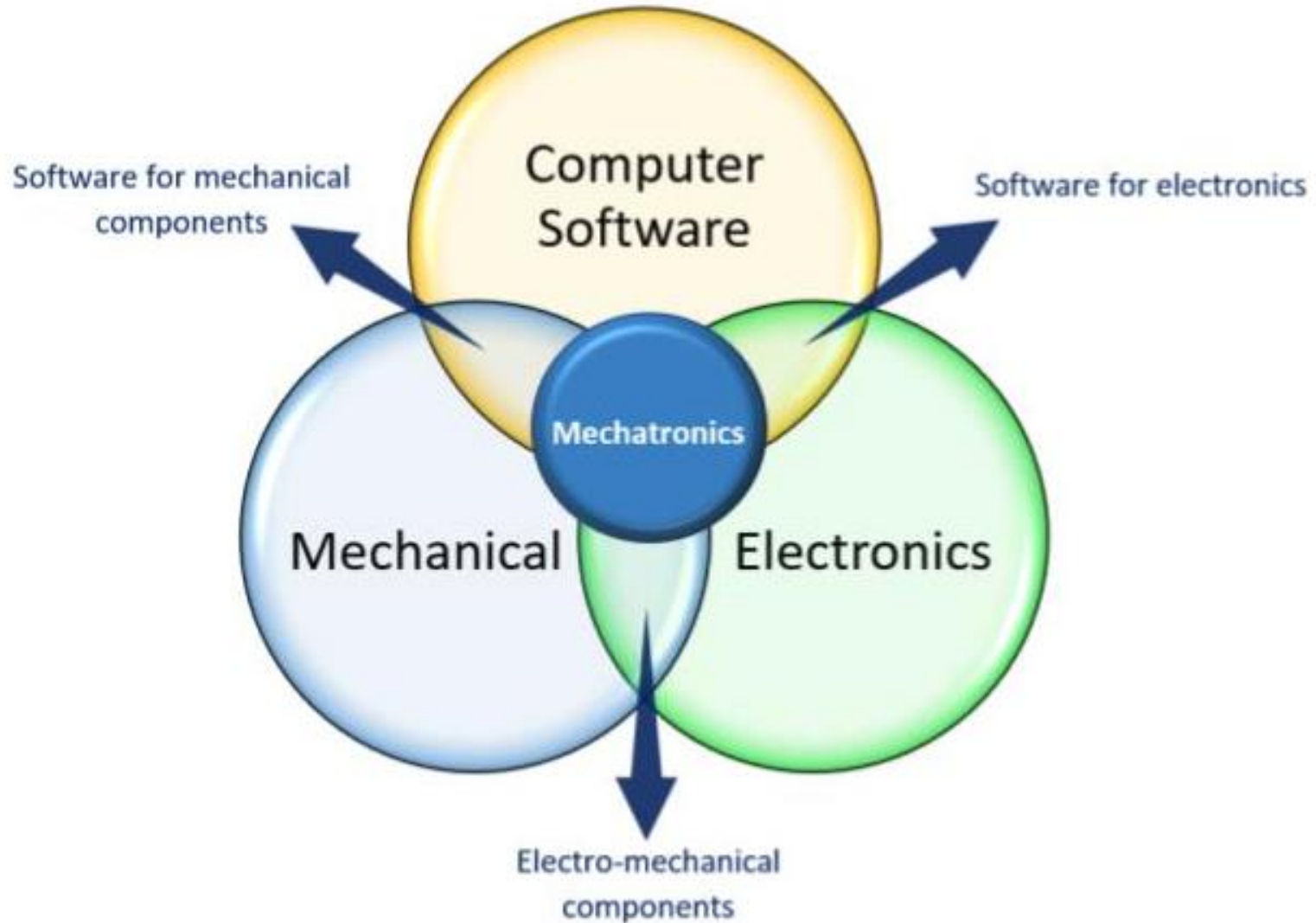
Engineering

**Principles
and
processes**

**Design
application**

Mechatronics

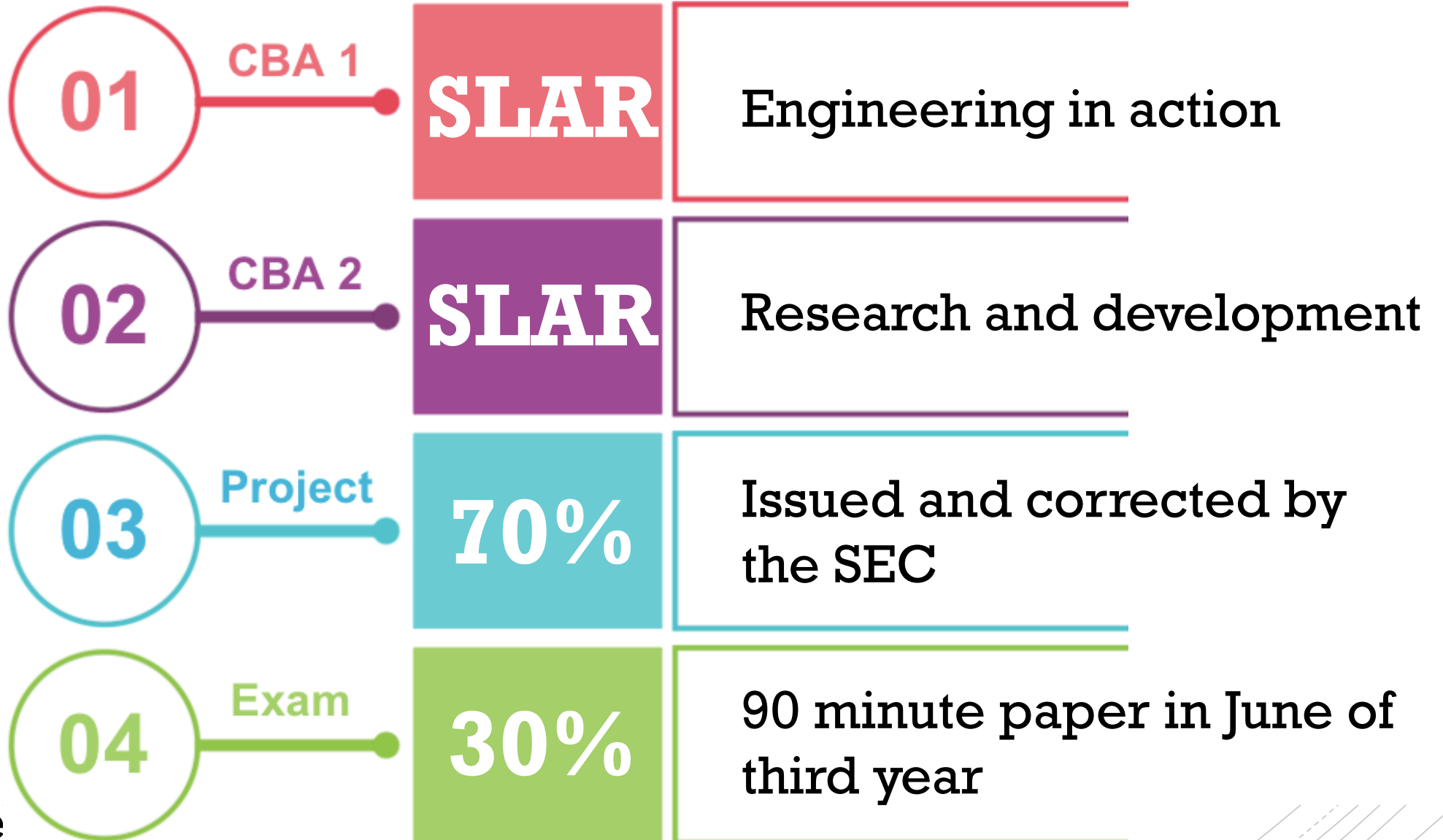
Engineering



Engineering



Engineering



The logo consists of a blue speech bubble shape with a white outline. The text "Wood Technology" is written in white, sans-serif font inside the bubble. The background features a pattern of concentric, overlapping circles in light gray, some solid and some dashed, creating a ripple effect.

Wood Technology

Wood Technology

**Principles
and
practices**

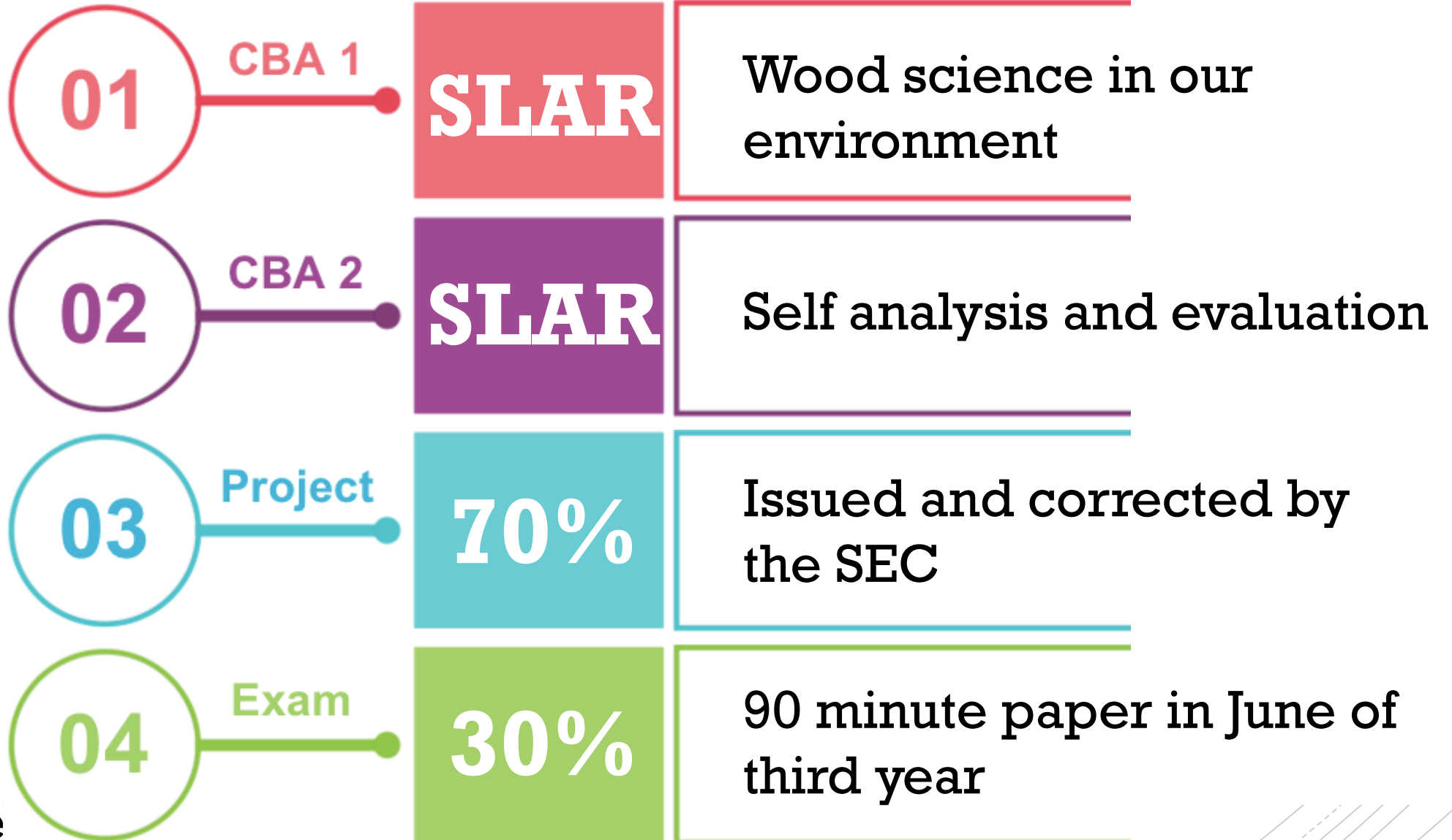
**Design
thinking**

**Wood
science and
materials**

Wood Technology



Wood Technology





Graphics

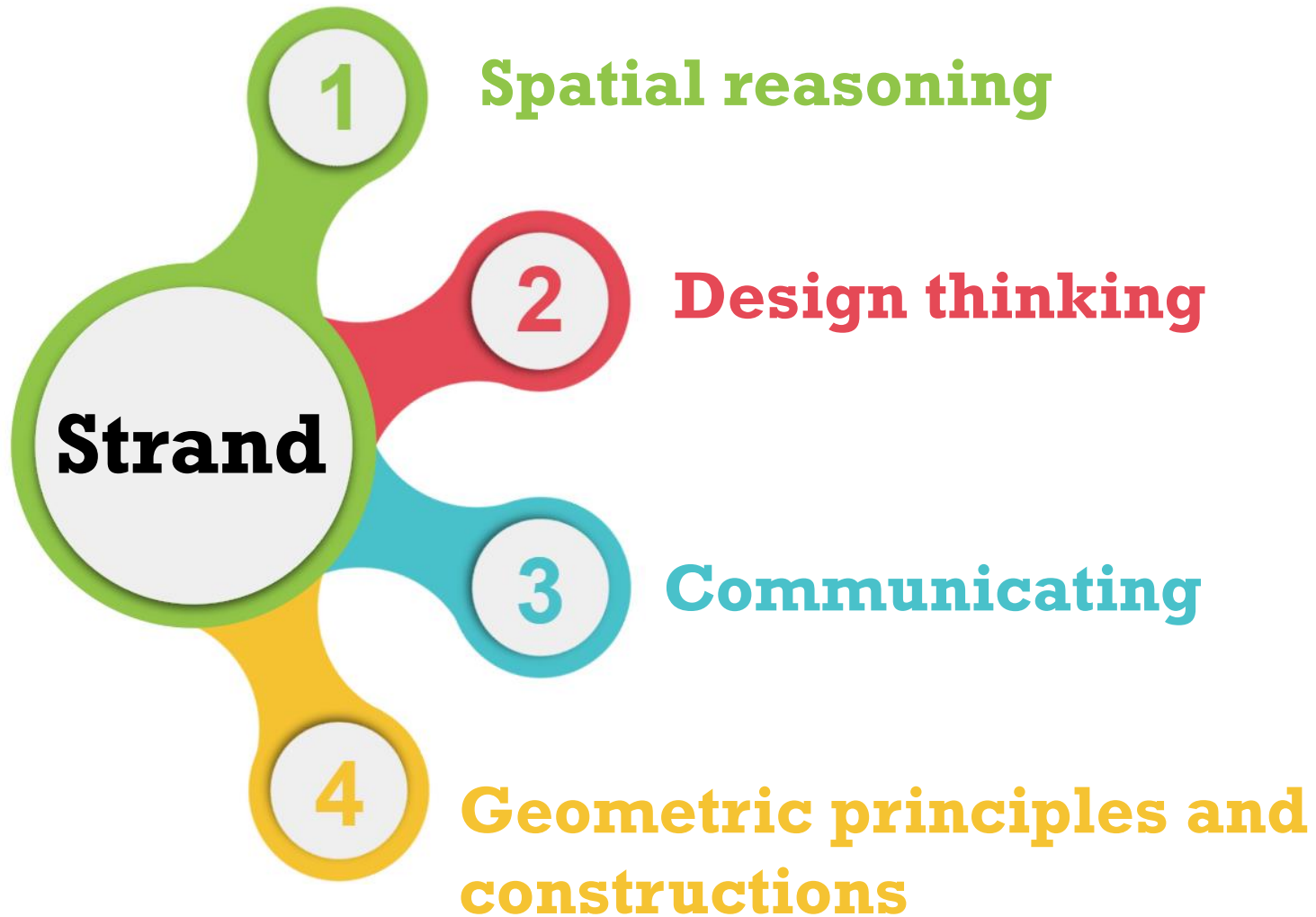
Graphics

**2D
Graphics**

**3D
Graphics**

**Applied
Graphics**

Graphics



Graphics

