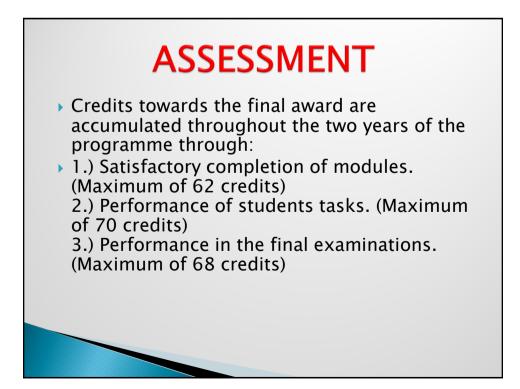
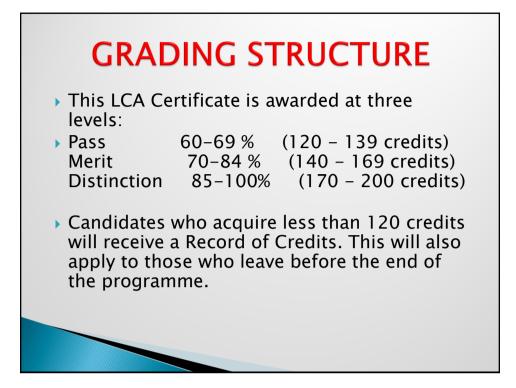




## Graphics and Construction Module

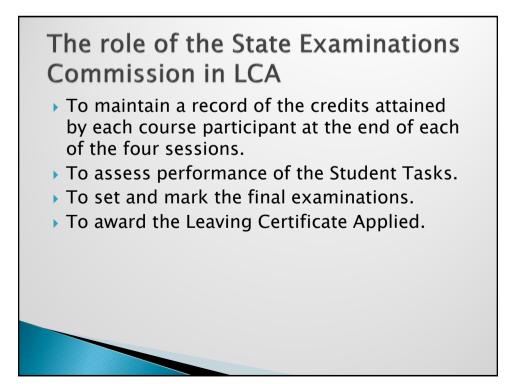
This vocational specialism provides learners with an opportunity to develop a range of practical and generic skills in the area of Graphics and Construction Studies. It facilitates their personal and social development by providing opportunities to engage with the local community. It encourages expression using a range of graphical and other communication skills. The course also seeks to engage the learners in considering and experiencing the aesthetic, environmental, vocational and consumer awareness dimensionsof the construction industry.

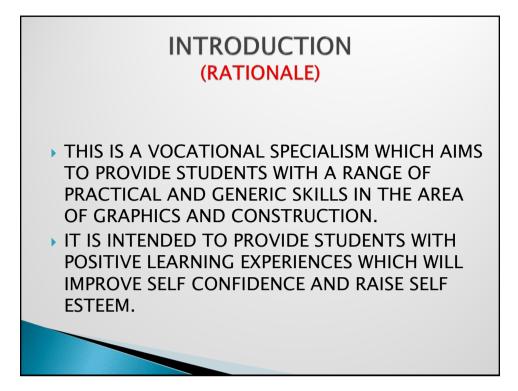


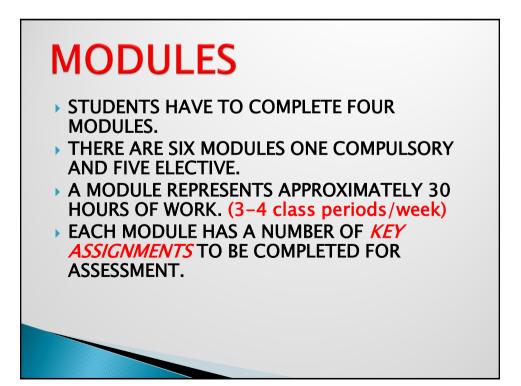


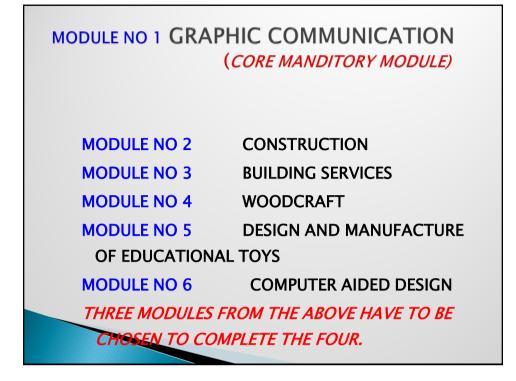


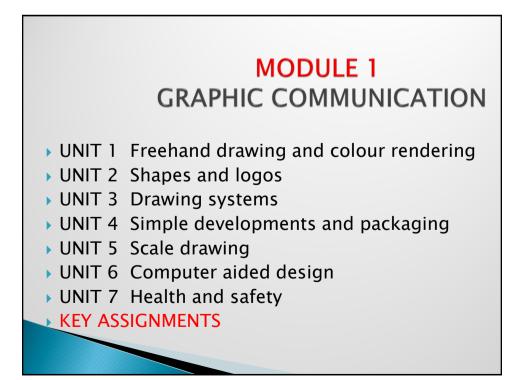


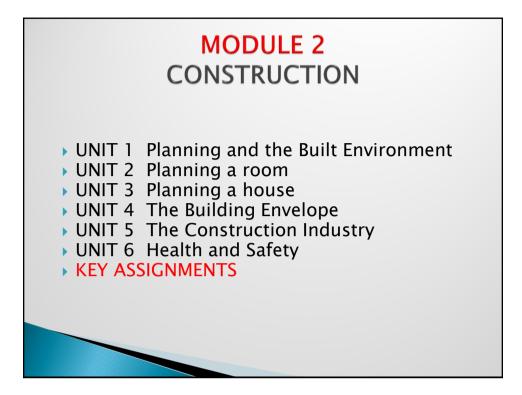


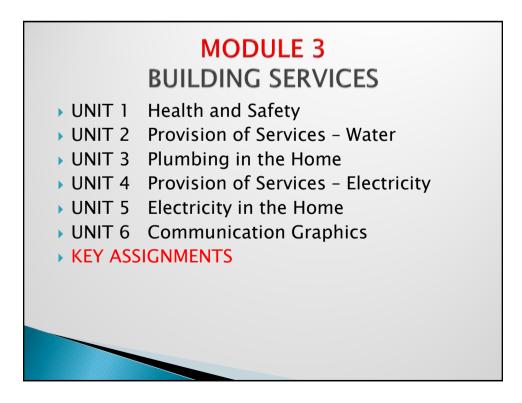




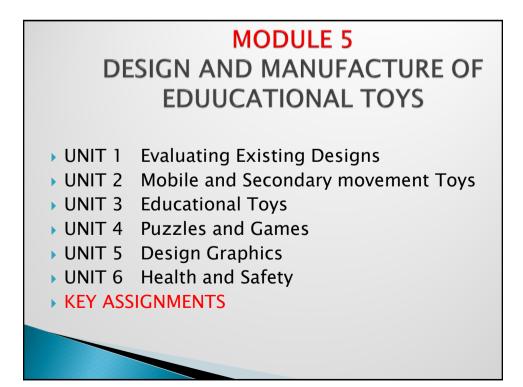












## MODULE 6 COMPUTER AIDED DESIGN

- UNIT 1 Introduction to C.A.D
- UNIT 2 Basic Drawing Commands
- UNIT 3 Editing Commands
- UNIT 4 Drawing Structure
- UNIT 5 Time Saving Devices
- UNIT 6 Dimensioning and hatching
- UNIT 7 Printing and Plotting
- **KEY ASSIGNMENTS**

ં આજી∙ ▲⊓ ગાા≀ ⊓ાા^≜જ્ય⊬∎ાાૈ≒ •∽∽Ջ௱●⊠ 米■ KŧℛAssid™ฅ๚๚๛ ☜∎≏ •米●● 82 M ●□□&;mຼ 2 2 0 X = ♦ 22 m m \* m = ♦ 0 2 ∙♦ฦ൙൩℔♦ ₭■∙©൩℔♦米□■ □□ †♦☜⊲ॻ \*mm om•♦ □□∽m♦Xmm X• &mm□ 9 &;m 🖂  $\mathfrak{S} \leftrightarrow \mathfrak{H} \mathfrak{h} = \mathfrak{O} \mathfrak{m} = \mathfrak{h} \mathfrak{h} \mathfrak{H} \mathfrak{h}$ ☜₭◈₭≏M ♦▥₭• ↗◻●≏M ◻ ₭■♦□ □₩₩₩₩ □↗ ☞₩₩ © ••₩₩ ■○₩ ■♦• •□□&; ₩• ·MM+X□■ X■ ♦≈≈M ↗□●≏M□@ ♦♥♥♡₩■♥↑ ○♥↑♥ +₭₯■ ☜♥ ♥₩₩ ₩■₽ ଧ∎ଲେଟ୍ୟ\$• ତାଲ ତ•ତାତଳାନ ଏସ ♦୍ଆା ♦MSMMU ZOO ♦mM MOOD●M♦XO■ OX ♦₩M &M So++X30=OM =♦+@

#### What are key assignments?

A. They are a number of learning experiences that have been selected from the module as being of key importance. Key assignments plus 90% attendance are a minimum requirement to obtain credit for a module.

#### Where can the key assignments be found?

A. They are printed at the end of each module.

## How many key assignments are there?

A. Four for each module.

#### What standard is required of key assignments?

A. It is required that the key assignments be 'satisfactorily completed'. They should show the individual student's participation in the learning experience and should be completed to the best of the learner's ability but are not judged in terms of marks or grades.

#### Q. Can I write my own key assignments?

A. No.

## Q. Do students have to do all of the key assignments?

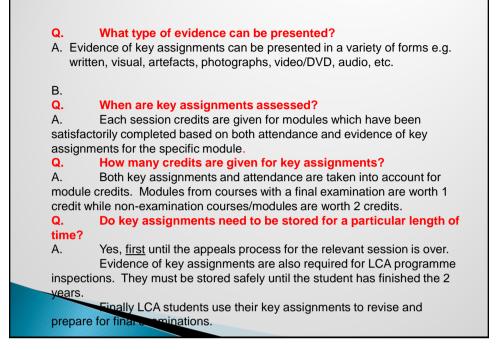
A. Yes, all four key assignments must be completed by each student.

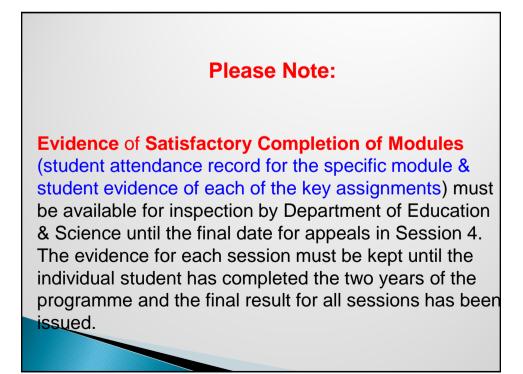
#### Q. Can key assignments be included in tasks?

A. Yes they can be extended to form part of a task. LCA tasks require a minimum of 10 hours activity and are therefore much greater than a key assignment.

#### Q. How are key assignments assessed?

A. Key assignments form part of the assessment of module completion. In order to obtain credit for a module the student must satisfactorily complete all 4 key assignments and provide evidence of them. In addition to this the student must have at least 90 % attendance for that module.





# TASKS

Student Tasks (projects) are assessed by external examiners appointed by the Department of Education and Science. These Tasks may be in a variety of formats – written, audio, video, artefact etc. Each student is also required to produce a report on the process of completing the Task. This report may be incorporated in the evidence of task performance. Chief Examiner Reports on all student tasks are available to download from the State Examinations Commission Website at <u>www.examinations.ie</u>

### **STUDENT TASK:** Product/Production/Live performance Marking Criteria for Report

Clarity of Purpose: statement of aim/s - clear, relevant

Research & Planning background research, information gathering techniques used, sources of information credited, alternative solutions – product/craft/play etc. skill assessment (own and group if applicable), resource assessment, equipment,tools,designs,drawings,scripts,receipts,, costing, action plan, sequencing, checklists of resources etc. **Carrying out of Task:** Application of skills, use of tools and materials, skills appropriate to the task, skill factor, quality control measures, implementation of Health and Safety regulations etc.

**Meeting the Brief/ Suitability for purpose** Evaluation of product/production, with reference to aims (by Examiner) –

**Quality** of product/production - finish of product, visual quality, safety,taste/flavour etc.

Suitability for purpose, choice of technique, script, craft, materials, equipment etc. related to the purpose/brief etc.

Analysis/evaluation of product/production by candidate with proposals for modification if applicable

#### Creativity/originality Innovation:

Candidates own work, selective use of commercial patterns/designs/kits – (source credited) evidence of original input by way of development/ interpretation.

Aesthetic considerations – presentation, design, colour et Own design/composition, inventiveness, resourcefulness.

#### **Self Evaluation:**

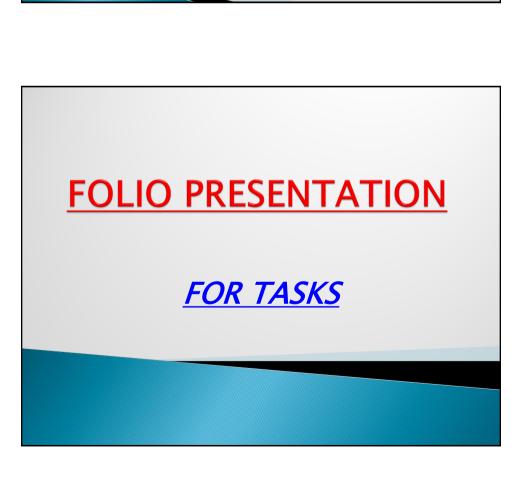
evaluation of own role, knowledge of self, skills/ attitudes developed, difficulties encountered and lessons learned about self for the future etc.

## Evidence of CrossCurricular Applications and Integration:

extent, quality and relevance of cross-curricular applications, coherence of Integration.

## Effectiveness of Communication and Presentation:

(i) Written: format, layout, neatness, *legibility, clarity/organisation,* use, appropriateness and quality of *illustrative* material, table of contents *etc.*(ii) Oral: *oral communication skills, ability* to *convey* ideas -clarity, fluency and coherence.

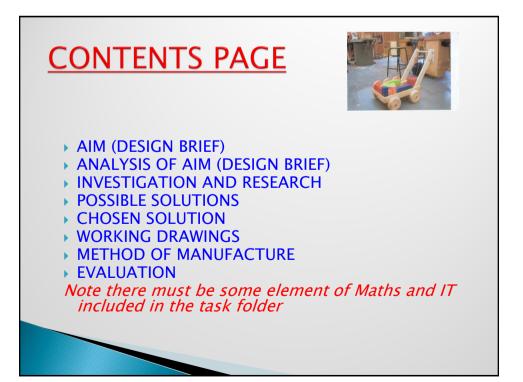


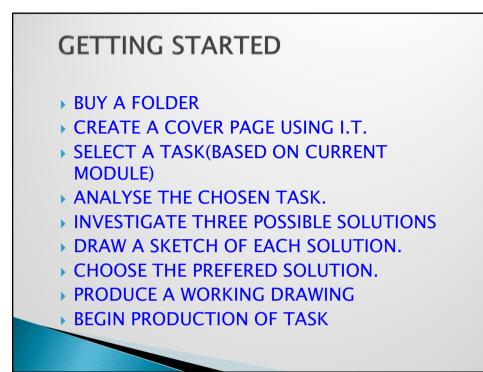
# <u>AIM</u>

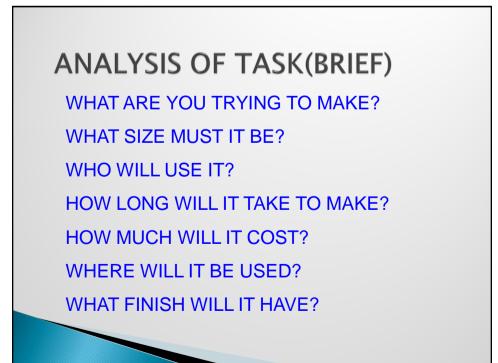
THIS IS A STATE MENT OF THE PROBLEM TO BE SOLVED OR AN OUTLINE OF THE INVESTIGATION TO BE CARRIED OUT.THIS SHOULD BE CLEARLY WRITTEN AND ATTAINABLE (WITHIN A PUPILS CAPABILITY)AND EASILY EVALUATED.

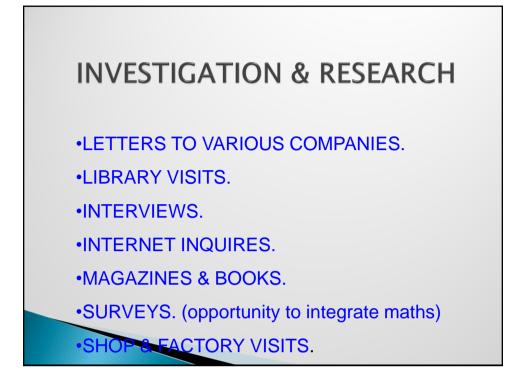
- 1. WITHIN STUDENTS ABILITY RANGE.
- 2. CLEARLY WRITTEN
- 3. EASILY EVALUATED.

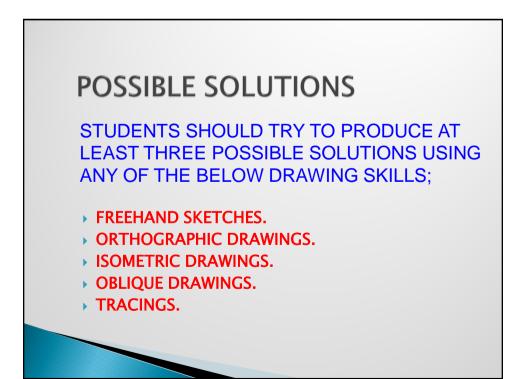
LINKED TO MODULE BEING COVERED.











## **CHOSEN SOLUTION**

STUDENTS SHOULD GIVE REASONS TO SHOW WHY THEY HAVE CHOSEN THE PARTICULAR SOLUTION WHICH THEY ARE GOING TO PRODUCE.

## **WORKING DRAWINGS**

THE WORKING DRAWINGS CAN BE DRAWN USING ANY OF THE FOLLOWING DRAWING TECHNIQUES AND SHOULD BE DIMENSIONED.

- •FREEHAND SKETCHES.
- •ORTHOGRAPHIC DRAWINGS.
- **ISOMETRIC** DRAWINGS.
- •OBLIQUE DRAWINGS.
- •TRACINGS.

## **METHOD OF MANUFACTURE**

THIS SHOULD GIVE A BRIEF ACCOUNT OF THE VARIOUS PROCESSES USED IN PRODUCING THE TASK ANN MAY BE WRITTEN IN POINT FORM AND HAVE SKETCHES OR DRAWINGS WHERE NEEDED.

## **EVALUATION**

- 1. DOES THE TASK MEET THE AIM?
- 2. WHAT ARE THE BEST POINTS?
- 3. ARE THERE ANY IMPROVEMENTS WHICH COULD BE MADE?
- 4. WHAT NEW SKILLS DID YOU LEARN?
- 5. WHAT DID YOU FEEL WERE THE MOST DIFFICULT PARTS OF THE TASK?
- 6. HOW DID YOU FEEL ON COMPLETION OF THE TASK AND WHY YOU FELT THIS WAY?