

Practice in Extended Learning Activities (ELA) in English

Conducting ELA in the subject of
Physics – Secondary 3 “Optics”

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Background

- CMI school : S3 learning Physics in English < 25%
- Class 3A : 3 out 15 cycles of ELAs in 2nd term
- Topic : Optics (Light and Reflection, Refraction)

Objective

- Increase students' exposure to learning in English
- Decide if the students are ready to study Physics in English
- Prepare students for studying Physics in S4

Arrangement of the lessons

(1 double / cycle)

● Cycle	Topic
1	Light and Reflection
2	Refraction
3	Refraction

Structure of lessons

- Brief revision
- Introduce key terms and concept
- Q & A to apply new knowledge
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Worksheet Format

- True / False
- Fill in the blanks (with diagrams)
- Short questions (with diagrams)

Experimental Worksheet

- Highlight commonly used terms

Aim of Worksheet

- Content to follow
- Introduction of new terms
- Task to apply their new knowledge
- Sentence patterns to follow

Outcome

- Most students could understand the lessons well
- Most students welcomed this kind of ELA
- Most students preferred to use EMI to learn Science in S4

Feedback and observation

- The lessons had successfully introduced key terms
- Most students found the need to build up their vocabulary
- Many students were in need of support in answering short questions

Reflections

- Choice of topic and subject content
- Design and preparation of lessons
- Design and preparation of worksheets