5th Applied Maths (H)

- Chapter 2: Uniform Acceleration.
- Chapter 3: Projectiles.
- Chapter 4: Connected Particles (Newton's Laws).
- Chapter 5: Physics.
- Chapter 6: Impacts

5th Biology (H)

- Food.
- Enzymes.
- Osmosis & Diffusion.
- Digestive System.
- Scientific Practices.

5th Chemistry (H)

Rates of Reaction
- Focus on factors affecting reaction rates –
  - Concentration.
  - Temperature.
  - Catalyst.
  - Surface Area.
  - Energy Profile Diagrams.

5th Computer Science (H)

- Revisit in detail Neuman Architecture & the Physical Components of Computer Systems.
- Two Python Section C Exam Questions (Students must bring Laptops).
- A detailed analysis of how computers use IP Communications on the Internet & how iPV4 works.
- Eight famous CS problems which are now appearing on the LCH Examinations: Such as ciphers & game theory, will be implemented via Python.

5th English (H)

Othello

- Comprehensive Analysis of the Plot.
- Detailed Description of the Main Characters.
- Analysis of Character Relationships.
- Overview of the Main Themes in the Drama.

5th French (H)

- Grammar Revision to include –
  - Tenses.
  - Adjective Agreements.
  - Pronouns.
  - Articles.
  - Prepositions.
- Approaching the reading comprehension.
- Written Section –
  - Journal Intime.
  - Introduction to writing an opinion piece & sample piece.
- The Oral –
  - Tips on approaching the Oral.
  - Questions.
  - Sample answers.
- Useful vocabulary and verbs.

5th Irish (H)

- Cluastuiscint Preparation (Listening Comprehension).
- How to write an aiste (Essay).
- Preparing for Q 6A & 6B in the Léamhthuiscint (Reading Comprehension).
- Prós & Filíocht (Pro's & Poetry).

5th Maths (H)

- Algebra 1.
- Algebra 2.
- Algebra 3.
- Exam Question's.

5th Physics (H)

Mechanics

- Kinematics.
- Newton's Law.
- Conservation of Momentum.
- Friction.
- Work.
- Energy & Power.

Geometrical Optics

- Reflection & Refraction.
- Power of Lenses.
- The Eye.
- Fibre Optics.

- Theory of Light as a wave.

- Interference & Diffraction.
- Spectrometer.
- Diffraction Granting Formula.

**All Exhibited with Exam Questions & Pre-Exam Papers.