

Maternity Leave notes 2025 K Hackett

→ PE and Maths schemes of work can be found on the department Teams pages under files. Ask a member of the department to add you to the Teams pages'.

★ Academic Monitor: Niamh Dwan (6th yr). Check in with Deputy, Olivia, regarding the process for academic monitoring.

2nd year pastoral care (class tutor group)

Susan King is the year head for 2nd year. Check in with her before class on Monday to see if there is anything specific that she would like you to discuss with the students. Ciara Gleeson is a student from Dunchaoin who is joining this class as her tutor group for inclusion purposes. She will not have an SNA with her so some students from the class can collect her and walk her back to her room after class. Contact Rochelle O'Sullivan for more information regarding Ciara

2nd year PE

This is the same group as above, and Ciara is also joining this class for inclusion purposes. She may only arrive for the second period of the class.

Topics covered: Invasion games

TY PE

This class is the whole year group. There are a variety of activities going on: Fast Friends, Horse riding, one other external activity and PE class. Talk to Cait Devane or Casey Hennessy (PE teachers) and she will fill you in on the activities at this time.

5th year PE

This class is with Casey Hennessy (PE Teacher) check in with her.

6th yr PE

This class is with Jack Cleary (PE Teacher) check in with him.

Dunchaoín PE

This class consists of students who are in the mild to general learning difficulty class. You will have two SNAs present (except on Wednesday when there will only be one).

On Friday's these students need to be packed up and ready to go home before going to PE. They need to be at the door for their buses at 3.10pm. Therefore, I have done PE (table tennis) in the school hall to avoid a loss of time walking down and back from sportshall.

TY Maths Higher Level

Topics covered: Algebra

Quadratic formula

Factorising

Algebraic fractions

Simultaneous Equations: three variables, one quadratic and one linear

6th year OL Maths

Three students. This class has students who have moved down from Higher Level, and it will grow over time, after Christmas exams and Mock exams in particular.

Topics covered:

- Linear and Quadratic Functions
- Calculus
- Applied Arithmetic up to depreciation (section 2.9)

6th Year Scheme of work:

| Topic | Timeframe |
|-----------------------------------|--------------------|
| | |
| Functions | Sep |
| Calculus | Oct/Nov |
| Financial (arithmetic) | Dec |
| Area-Volume (Applied Measure) | Jan |
| Statistics (& finish probability) | Jan/Feb (to mocks) |
| Geometry Proofs | Mar |
| Induction | Mar |
| | |
| | |

Test results:

Functions and calculus

Amber 83

Catherine 80

Eve 94

5th year OL Maths

Most of the students in the class find Maths very very challenging.

Topics covered:

- Algebra- factorising, quadratic formula, solving linear equations, algebraic fractions, inequalities, forming quadratic equations, rearranging formulae
- Indices

Follow the 5th yr OL scheme of work for the next topic.

'5th Year Scheme of work:

| Topic | Timeframe |
|-----------------------------------|-----------|
| | |
| Algebra | Sept-Nov |
| Indices & Logs | Nov |
| Patterns (sequences, series) | Dec |
| Coordinate Geometry of the Line | Jan |
| Coordinate Geometry of the Circle | Feb |
| Trigonometry | Feb-Mar |
| Complex Numbers | Mar |
| Geometry & Constructions | Apr |
| Probability | May |
| | |

Test result:

Algebra

Eve 44

Emma 41

Chloe J 83

Meabh 24

Katelyn 46

Isabelle 73

Katie 33

Leah 34

Sinah (international student here for one year) 100

Chloe O'C 31

Molly ABS (has missed a lot of time due to participation in the school show)

2nd year HL Maths

Some students in the class find HL maths quite challenging.

Topics covered:

Algebra- evaluating expressions, simplifying, multiplying, solving linear equations, factorising, solving quadratic equations with factorising and quadratic formula.

Start with simultaneous equations and that will be algebra finished for this year. Follow the scheme of work on Maths Teachers Teams page (under files)

Scheme of Work: 2nd Year Junior Cert Mathematics: Higher and Ordinary Levels

| Strand | Content | Chaptera |
|-------------|--|---------------------------------|
| Algebra | Substitution, simplifying, expanding, linear equations | 15 (b1) 5 (b2) |
| | Linear Inequalities, plotting on number line | 16, 22 (b1) 12 (b2) |
| | Factors (HCF, grouping, quadratic trinomials, difference of two squares) | 28 (b1) 6 (b2) |
| | Simplifying expressions using factors | |
| | Quadratic equations by factors and -b formula | 29 (b1) 13 (b2) |
| | Simultaneous equations using algebra | 26 (b1) |
| | | |
| Area/Volume | Perimeter, area squares, rectangles, parallelograms | 20, 27 (b1) 19 (b2) |
| | Area triangle | |
| | Circle circumference, area | |
| | Nets of rectangular solids and other shapes, surface area | |
| | Volume rectangular solids, prisms | |
| | Cones, Spheres, Hemispheres | |
| | Compound shapes | |
| Arithmetic | Ratio | 17 (b1), 21 (b1) 10, 11 (b2) |
| | Speed, Distance, Time | |
| | Percentages, decimals, fractions revision | |
| | Profit and Loss, Mark-up, Margin | |
| | VAT, discounts | |
| | Currency transactions | |
| | Percentages, decimals, fractions revision | |
| | Compound Interest | |
| | Depreciation | |
| | | |

| | | | |
|----------|--|--|-------|
| Geometry | Planes, points, angles, triangles (revision) | | (jan) |
| | Congruent triangles | | |
| | Similar triangles | | |
| | Transversal lines, parallel lines and angles | | |
| | Constructions | | |
| | Transformation geometry (axial & central symmetry, rotation, translations) | | |

| | | | |
|---------------------|--|--|--|
| | | | |
| CBA | | | End of Jan |
| Coordinate Geometry | | | Plotting Points, distance, midpoint Slope formula, rise/run Parallel, perpendicular slopes Equation of a line, 2 forms Equations of parallel, perpendicular lines Verify point is on a line Graphing lines, intercept method Intersection of two lines, Simultaneous equations/graphing 9, 25 (B1) 17 (b2) |
| Probability | | | Revise 1 st Year 8(b1) Generate sample space Use Fundamental principle of counting Probability Scale Relative Frequency 3(b2) |

Test results: (inequalities)

Rianne 73

Kate 100

Emily 80

Sophia 90

Aoibhe 83

Ruby 90

Sorcha 50

Lily 90

Alicia 83

Raina 90

Eabha 90

Roisin 90

Hannah 100

Sophie 100

Maja 90

LCA 1&2 maths

All students are on book 3. All books, including the teacher's copy, and calculators are on the top shelf of the filing cabinet in the LCA room. When book 3 is completed, book 4 is on my desk. Attendance is very poor.

Charlene O'Brien is the programme coordinator and can answer any questions regarding the students.