

James Gillespie's High School

Science Faculty

Iain Coltart - Curriculum Leader

Alan Russell - Curriculum Leader

The Faculty

- **Teaching staff**
- **Support staff**
- **Resources**
- **Pupils**

S1 and S2 Science

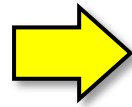
- **6 Topics in each year**
- **CfE Experiences & Outcomes**
- **Homework / Assessments**
- **Skills**
- **Progression into S3**

S2 Progression pathways

1.

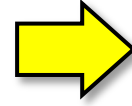
BGE Science

S2



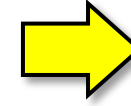
National 4/5 class

S3 & S4



National 5 presentation

End of S4



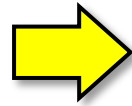
Higher

S5

2.

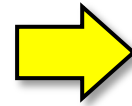
BGE Science

S2



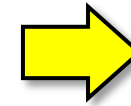
National 4/5 class

S3 & S4



National 4 presentation

End of S4



National 5

S5

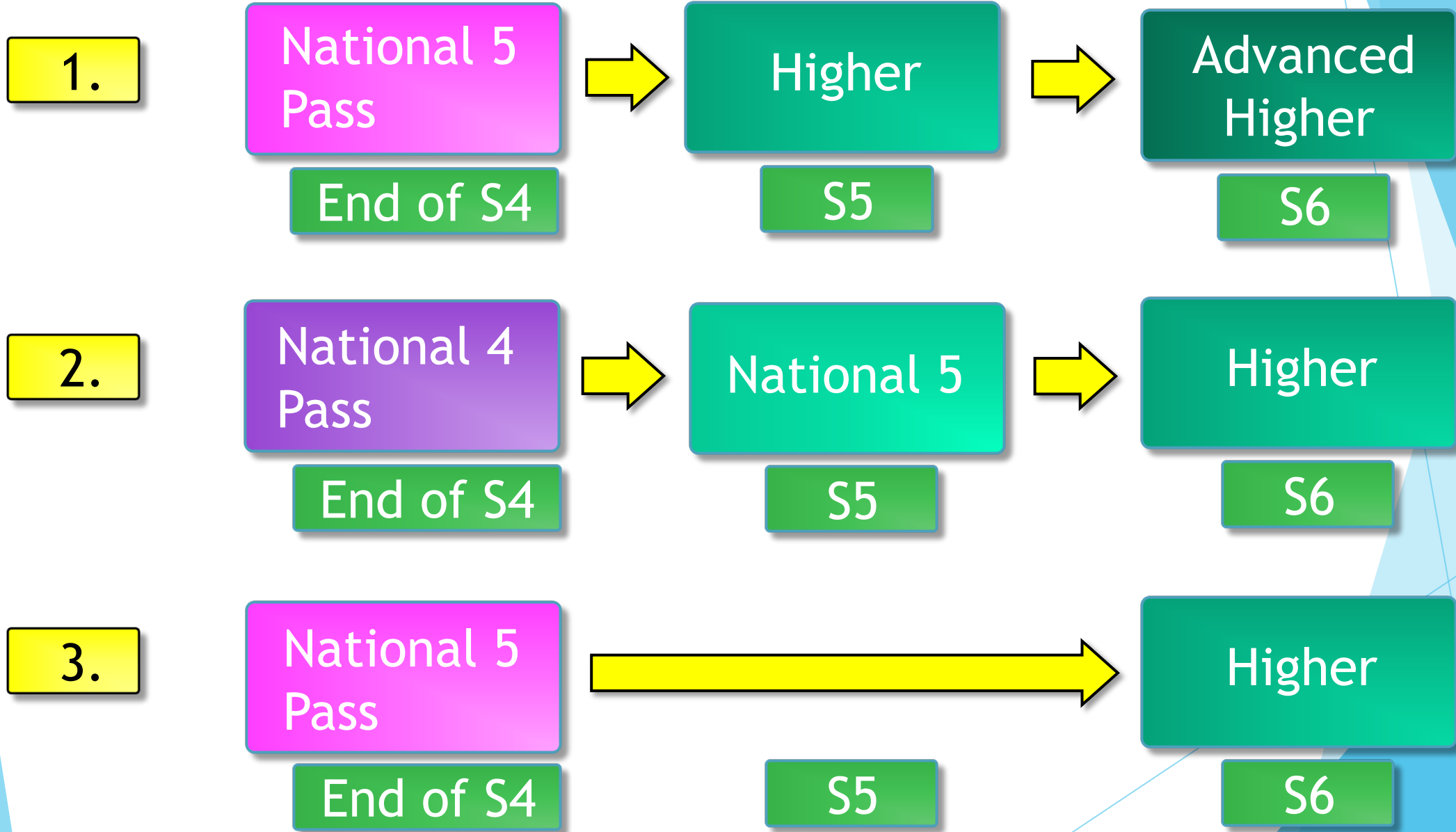
S3 and S4 Courses

- **ALL pupils have the opportunity to achieve at the highest level.**
- **Course content**
- **Homework / Assessments**
- **Online learning environments**
- **Progression into S5**

S4 Progression pathways

- ❑ **Progression** to the next level of a course is dependent on pupils achieving a minimum of a C pass at the previous level.
- ❑ **Success** at the next level is usually achieved by pupils who have achieved success at the previous level throughout the course and achieved an A or B award in the final SQA examination.
- ❑ Pupils are allowed to ‘**crash**’ a Higher Science without having studied the subject at National 5 level in S3 and S4. This is usually done in S6 where there is less pressure to achieve a suite of examination results in one sitting. It is only permissible for students who have demonstrated very strong attainment in another Science previously.

S4 Progression pathways



S5 and S6 Courses

- **National 5 / Higher / Advanced Higher**
- **‘Crashing’ courses**
- **Course content**
- **Homework / Assessments**
- **Resources**

Assignments and Projects

- ❑ The SQA Science courses have a **coursework element**. At National 5 and Higher levels it is called an 'Assignment'. At Advanced Higher level it is called a 'Project'.
- ❑ This has been removed for the last few years as a COVID mitigation but may be returning.
- ❑ There is a mandatory practical element to these pieces of coursework but a final written report is required which is submitted to the SQA for marking.
- ❑ For National 5 and Higher levels, this write up is conducted under timed examination conditions.



Science Baccalaureate in S6

- ❑ As described in the course choice booklet, the SQA Science Baccalaureate is available to our pupils in S6.
- ❑ To achieve this qualification pupils must have achieved at least **two Advanced Highers** and **one Higher**. This must include at least two different Science courses and Mathematics.
(The Highers achieved in S5 are eligible)
- ❑ Pupils must also achieve a pass in the ‘**Interdisciplinary Project**’ which offers added breadth and value and helps to equip the candidate with the generic skills, attitudes and confidence necessary to make the transition into Higher Education and/or employment.
- ❑ Details of what is required from the Interdisciplinary Project can be found on the SQA website: [The Scottish Baccalaureate in Science - Course information - SQA](#)

Science Attainment

- Uptake / presentations
- SQA results

Wider Achievement

- **Nuffield Project**
- **STEM Club**
- **Science Bacallaureate**
- **CREST award**
- **Get Energised Challenge**

Outside The Classroom

- **Edinburgh Zoo**
- **Botanic garden**
- **Observatory**
- **Heriot-Watt university**
- **Millport field studies**
- **CERN**
- **Edinburgh University**

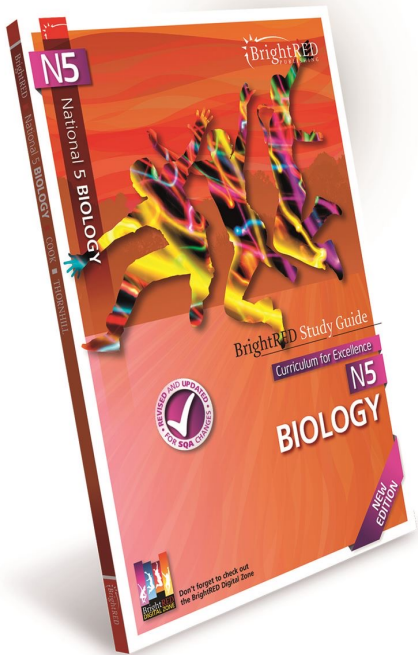
Support

- ❑ Resources to support pupils' learning can be found on the Teams page for each class and also on the subject SharePoint pages.

This usually includes learning outcomes, timelines, summary notes, revision materials, website links etc.

- ❑ There is no requirement to purchase any additional revision/study materials but anyone wishing to do so may benefit from a revision guide style resource as oppose to text book.

- ❑ Out of class support is provided by all Science subjects by arrangement with pupils at an agreed time.



What are we doing now?

- **Differentiation**
- **Sharing Good Practice - Faculty Meetings**
- **Assessment Structure**
- **Resources**
- **Data Analysis**

Questions



- Please feel free to ask any questions you wish on the work of our Science faculty.