

# Extended Essay

Simone Lorenz-Weir

Head Of Upper School and Director of IB

[slw@oakham.rutland.sch.uk](mailto:slw@oakham.rutland.sch.uk)

# An early start: Form 6 Research Project

- Week 1 of Sixth Form:

## **Library induction** to understand:

- How to use the learning space
- How to find books
- How to use digital databases
- How to conduct research

# IB DP retreat

- Week 3 of Sixth Form:

## IB DP retreat with focus on:

- What is the EE? How do I prepare for it?
- The core in detail
- Learning strategies
- **Academic honesty**

# First instruction:

From September until November:

- Consider the subject
- Consider what you might be interested in
- Read some old EEs

# The EE team

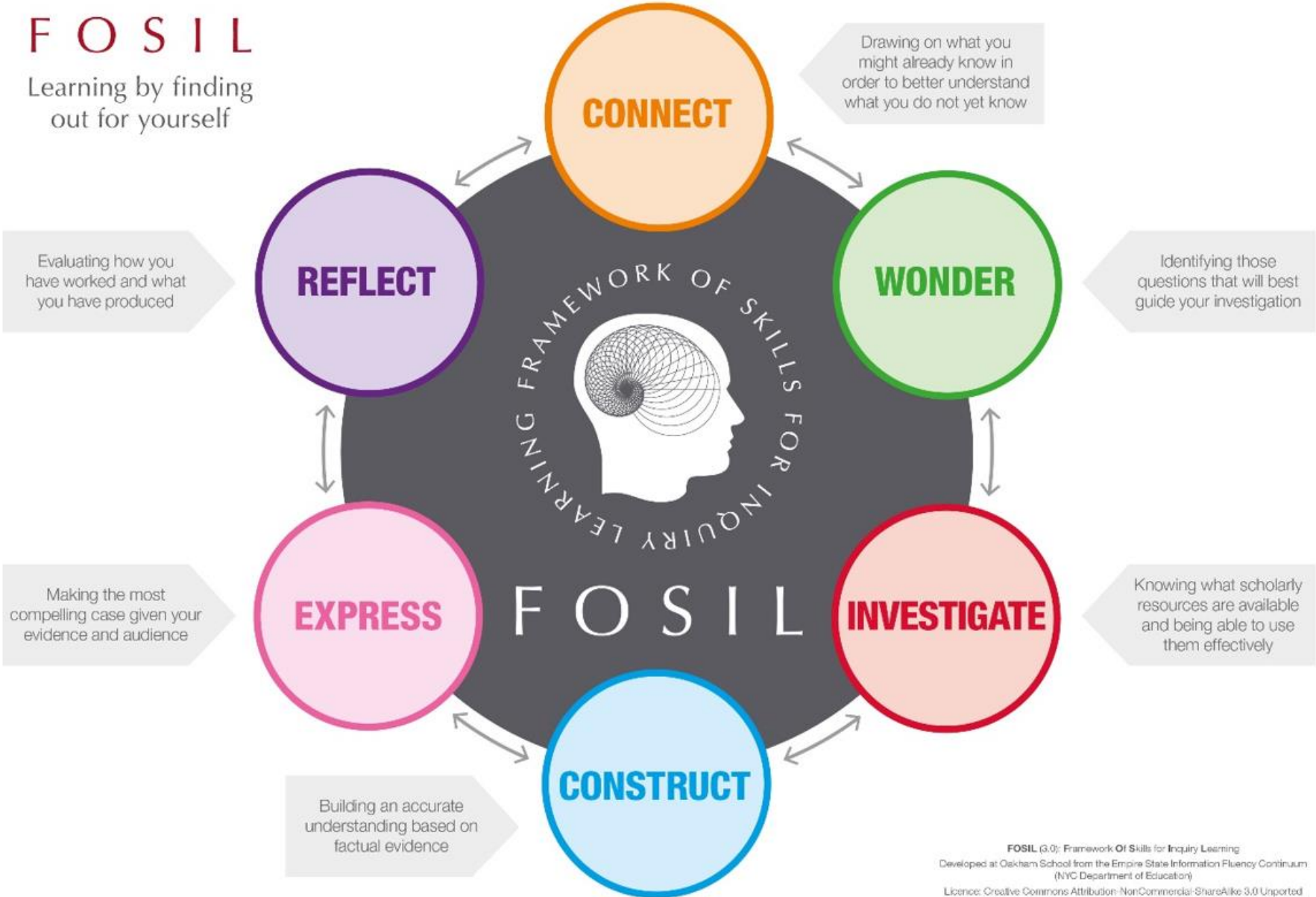
- IB Co-ordinator, Vic Russell
- Head of Student Research
- Head of Library and Information Services
- Team of librarians
- Supervisors

# November: EE seminar I

- General assessment criteria
- Subject specific criteria, World Studies, EE
- Stages of research
- Practical top tips
- Existing EEs
- ManageBac
- FOSIL

# The FOSIL Research Process

**F O S I L**  
Learning by finding out for yourself



FOSIL (3.0): Framework of Skills for Inquiry Learning  
 Developed at Oakham School from the Empire State Information Fluency Continuum  
 (NYC Department of Education)  
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# Second instruction:

- Read all the criteria really well
- Submit the supervisor application form
- Start some background reading in the holiday via our digital databases



# January: Supervisor training

- Similar to what we do with the students
- Focus on FOSIL
  
- Don't go off-piste!

# How we expect the students to engage with the supervisor

- Supervisors are not expected to chase
- Students should be pro-active
- Reality is the other way round...

# The role of ManageBac

- Research planning sheet
- Reflection space
- Upload–space for all the forms

# Library support

- Faculty librarians who conduct research interviews
- A working space
- The refinery

# EE investigation days

- 3 days
- Mainly students working in the library/labs during normal teaching hours

# May: EE seminar III

- Pre-writing: thesis
- Writing: structuring an argument
- Rewriting: editing and proofreading
  
- Assessment – again!

# EE Writing days

- 2 days – very similar to investigation days

# May/June: submission of the draft

- Gives supervisors time to read
- Feedback
- Students make changes in the summer holidays



# Reflections

- After the first meeting
- After the submission of the draft
- After the submission of the final essay (Viva Voce)

## First reflection session

Candidate comments:

Before the meeting, I had some idea of the topic – the synthesis of painkillers – as I want to read medicine at university, but I was not sure about what would be possible to look at in the timescale involved in the EE. After meeting my supervisor, we identified a particular esterification process used in the synthesis of aspirin to explore experimentally. I will need to find out more about esterification – Peter Sykes' 'A Guidebook to Mechanism in Organic Chemistry' will be a useful starting point, as will the RSC's 'Aspirin', Salters 'Chemical Ideas' and 'Chemical Storylines' and Vogel's 'Textbook of Practical Organic Chemistry'. . I want to get stuck in with the preliminary experimental work so I can get a feel for the apparatus and the esterification process itself. I also need to think about how I will measure the yield of the esterification.

# Welcome back to IB2!

- Please submit your finished EE on the first day back
- Arrange a Viva meeting

# Submission of final essay

- Everything done, recorded on ManageBac
- 1 October



# Extended Essay celebration!

