



# Kindling a Passion for Innovation via **Period PHI** (Passion Hour Ingenuity)

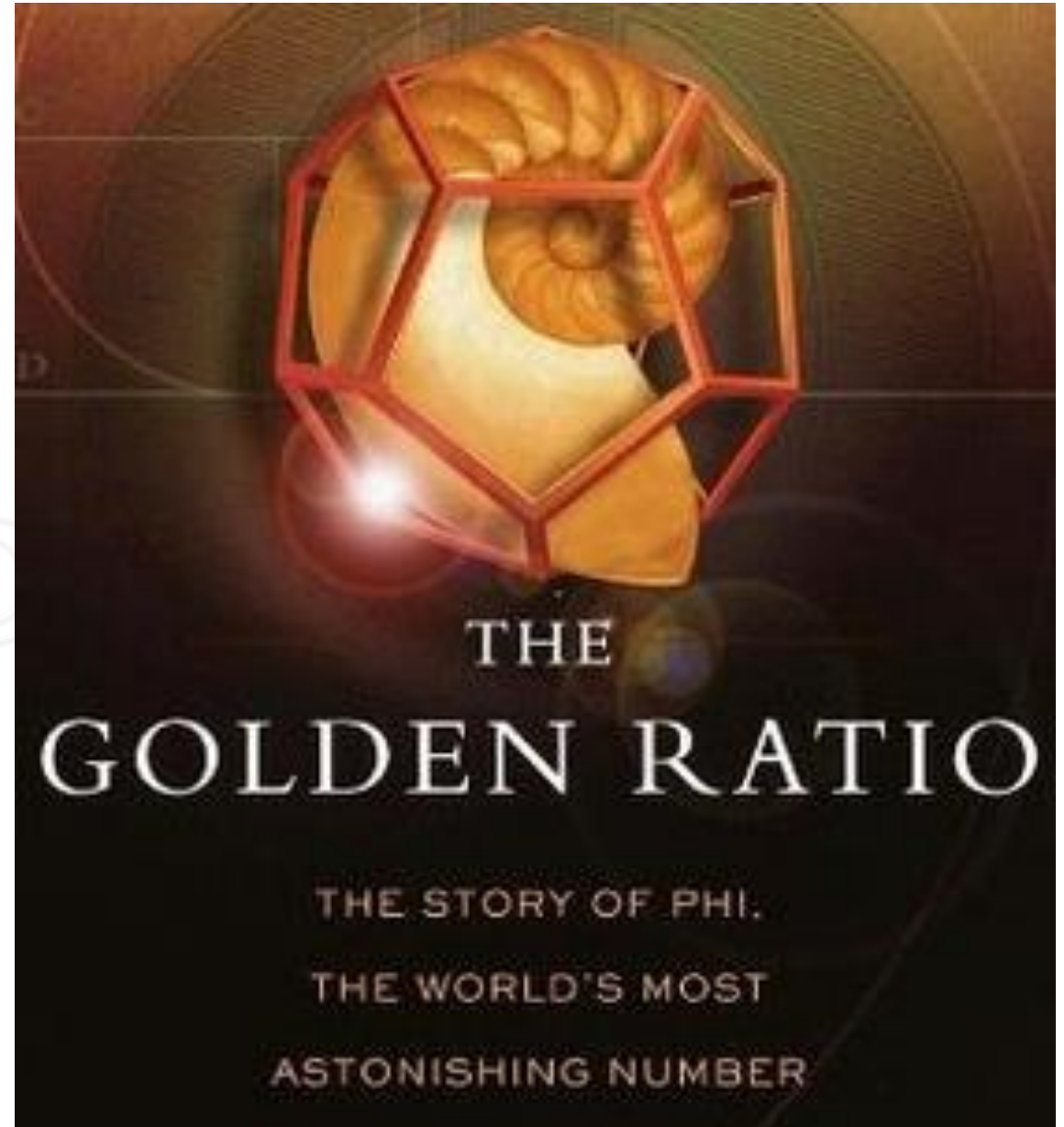


# Period PHI

**PHI = Golden Ratio = 1.618...**

Research has shown that aesthetically pleasing art, nature and architecture obey the golden ratio.

**Passion Hour Ingenuity**

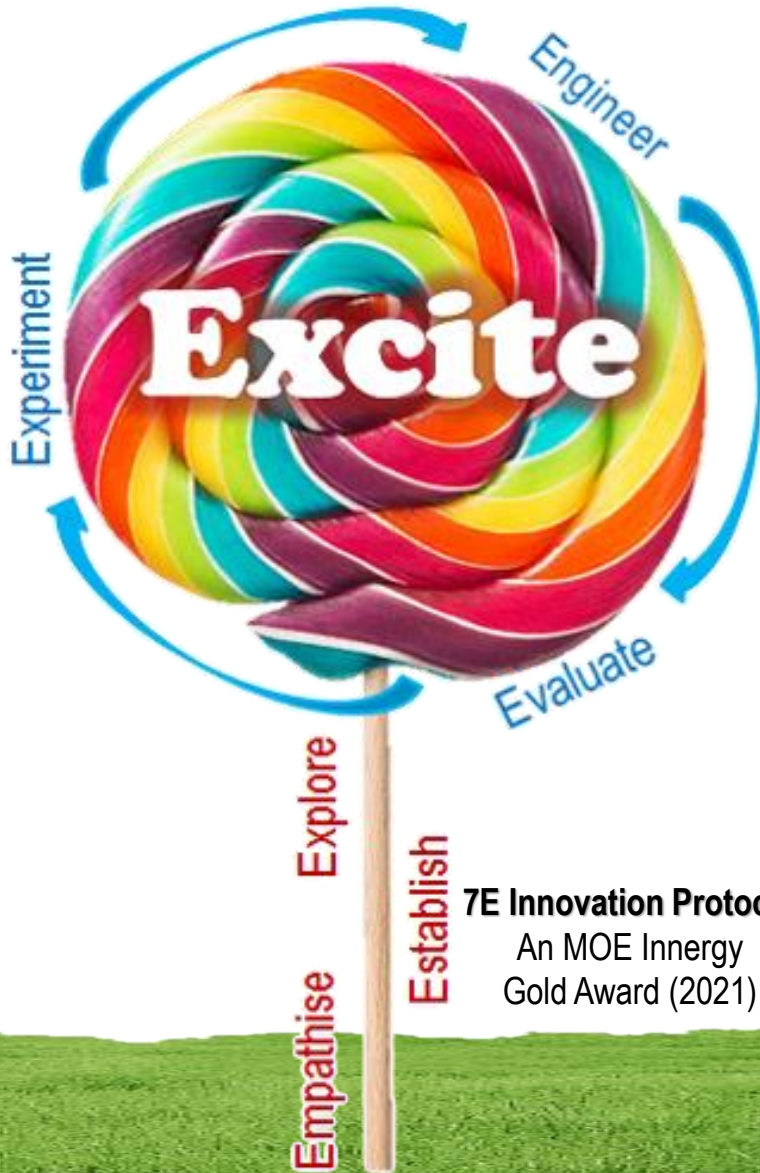




**PHI Windmill**  
Windmill blades + lollipop

### Signature innovation programme

- Start building the foundations of **adaptive and inventive thinking** earlier.
- As reflected in the windmill blades, we have referenced *Ikigai* ideas to highlight the importance of **passion & purpose**.
- Curriculum to connects learning across disciplines to develop **lifelong learning skills**
- Staged innovation process (7E Innovation Protocol) to nurture Rosythians who empathise, ask questions, think in new ways and are willing to take insightful actions to add new value to others
- Incorporate purposeful teaching of **dispositions and language** needed to work collaboratively and communicate effectively (e.g. 21CC, presentation and publicity skills)



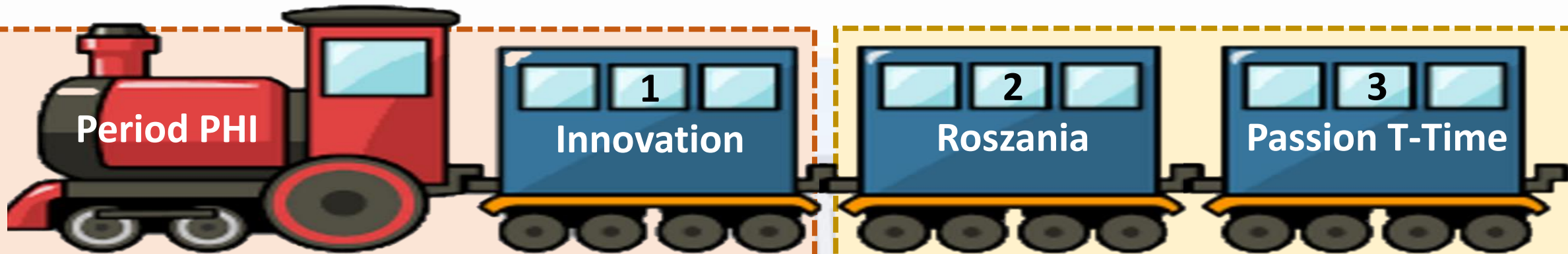
7E Innovation Protocol  
An MOE Innergy  
Gold Award (2021)

<b>Excite</b>	Power Speech Using scripting techniques
<b>Evaluate Engineer Experiment</b>	Mindsets of an innovator Why prototype? Using POUR for feedback P: Value the Person O: Get their Opinion U: Seek to Understand R: Give Recognition)
<b>Explore</b>	Creating a “Yes, and” culture Divergent thinking exercise (SCAMPER)
<b>Establish</b>	Writing “How Might We” statements Establishing existing solutions’ viability
<b>Empathy</b>	Experiencing Empathy

*Systemic process of thinking empowers even the most traditional thinker to develop creative new solutions to the problem at hand*

# Period PHI

## Curriculum structure: 3 modules built into curriculum time



- *Deep learning*
- *Communication skills*
- *Innovative thinking*
- *Collaborative learning*
- *Other 21CC*
- *I-CARE values*



P1

**ILolly** (Innovation Tenets)

P2

**WeLolly** (Innovation Tenets)

P3

**ToyLolly** (Toy Innovation)

P4

**InnoLolly** (Product Innovation)

P5

**TechnoLolly** (Technological Innovation)

P6

**CareLolly** (Social Innovation)

Students explore different occupations through role-play

As above and mainly through ICT for greater realism

Teachers excite P1-4 students with their own area of passion (P3-4 have choice of passion activity/workshop)

- *T-skills = Deep Skills + Broad Skills*
- *Develop interests in multiple areas*



A worksheet titled 'P1 Period PHI' and 'ILolly 2025 edition Innovation for Self'. It features a central 'Excite' logo with five colored arrows pointing outwards, each with a label: 'What I Love' (yellow), 'How I Help Others' (blue), 'What Makes Me Happy' (green), 'What I Am Good At' (red), and 'Experiment' (purple). The 'Excite' logo itself has labels: 'Empathise', 'Explore', 'Establish', and 'Evaluate'. Below the logo are two dashed-line boxes for 'Name:' and 'Class: P1 -'. The background is light blue with various icons like a laptop, guitar, and sewing machine.

A poster titled 'THE ROSYTH 7E INNOVATION PROTOCOL'. It features the Rosyth logo and the text 'Period PHI Passion Hour Ingenuity'. Below the title is an illustration of a fairground with a rocket launch, a lolly stand, and a carnival booth. At the bottom, there is a copyright notice: 'All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, or stored in any retrieval system of any nature without prior written permission. Copyright © 2022 Rosyth's Innovation Department'. The background is light blue with abstract patterns and icons like a sewing machine, scissors, and a laptop.



**Thank You!**

Period PHI Series spanning  
from Primary 1 to 6 @Rosyth