



**Oide**

Tacú leis an bhFoghlaim  
Ghairmiúil i measc Ceannairí  
Scoile agus Múinteoirí

Supporting the Professional  
Learning of School Leaders  
and Teachers

# Graphics

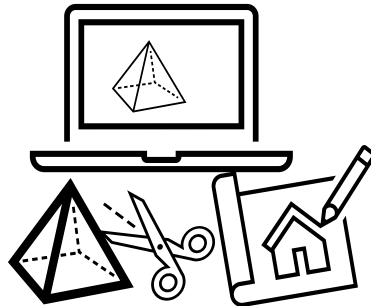
## Professional Learning Booklet 2023-2024





## Graphics PLE 2023/2024

### Theme for Today



**Students as active agents  
in their learning**

## Table of Contents

Ice Breaker Activity	2
Lollypop Activity Feedback	3
Learning Outcomes Activity	4
Sandcastle Activity	6
Sandcastle Activity Personal Reflection	6 & 7
Looking Out Activity	8
Group Feedback & Discussion	9
Model Making Personal Reflection	10
Session 1 Personal Reflection	11
Geometry in the World Around Us	12
Teacher Reflection / Feedback	13
Useful Links	14

# Ice Breaker Activity

## Challenge 1



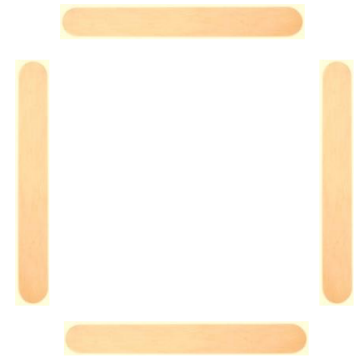
Can you form three triangles by moving two lollipop sticks?

## Challenge 2



Can you form three triangles by moving three lollipop sticks?

## Challenge 3



By adding just four lollipop sticks can you form four triangles and two squares?

What learning could your students experience through this type of activity?

## Notes

## Lollypop Activity Group Feedback

What are the opportunities for student learning in this task/activity?

Notes

What are the challenges for students in this task/activity?

Notes

Are there opportunities for further learning in this task?

Notes

Consider and record the **knowledge**, **understanding**, **values** and **skills** for the learning outcomes



Learning Outcome: \_\_\_\_\_ Action Verb: \_\_\_\_\_



Knowledge



Understanding



Skills



Values



Learning Outcome: \_\_\_\_\_ Action Verb: \_\_\_\_\_



Knowledge



Understanding



Skills



Values

## Notes

## Sandcastle Activity

How is the communicating element evident in this activity?

Notes

## Sandcastle Activity Personal Reflection Moment

What are the opportunities for student learning in this task/activity?

Notes

What are the challenges for students in this task/activity?

Notes

Are there opportunities for further learning in this task?

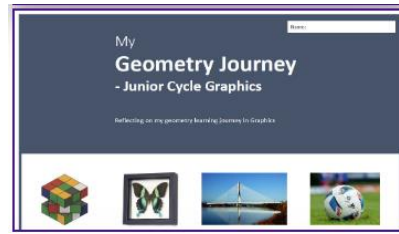
Notes



# Looking Out Activity

Consider how this resource could be adapted for your context?

## Notes



## Model Making Activity

How can model making be used to support student understanding in the Graphics classroom?

Notes

## Group Feedback & Discussion

How can I use CAD as a teaching and learning tool in my Graphics classroom?

Notes

## Model Making Personal Reflection Moment

What are the opportunities for student learning in this task/activity?

Notes

What are the challenges for students in this task/activity?

Notes

Are there opportunities for further learning in this task?

Notes

# Personal Reflection Moment

**Three** points you took from today's discussions:

**Two** actions you will take on return to your subject department:

**One** way that you will measure your progress:

# Geometry in the World Around Us

How could geometry be explored through the lens of the Paris 2024 Olympics?

## Notes



## Teacher Reflection / Feedback

**Three things that I have learned during this PLE Workshop**

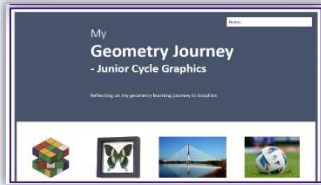
**Two approaches that I will take into my classroom**

**One thing that I will reflect on**

# Useful Links

## My Geometry Journey

<https://tinyurl.com/5bw6hu7s>



## Graphics Planning

<https://tinyurl.com/yxsy9h4r>



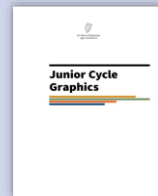
## Planning Excel

<https://tinyurl.com/55zrz4rm>



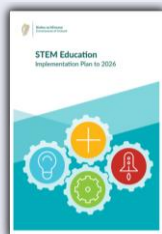
## Graphics Specifications

<https://tinyurl.com/2ue5t3ua>



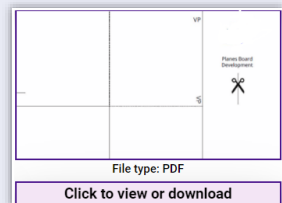
## STEM Education Implementation Plan to 2026

<https://t.ly/Wqk31>



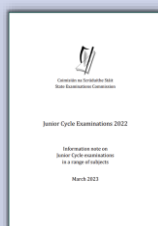
## Planes Board Resource

<https://tinyurl.com/3pjm2bdn>



## SEC Information Note 2023

<https://t.ly/TYM9a>



## PLE Material

<https://tinyurl.com/3h5ash5p>





Oide



Oide

Tacú leis an bhFoghlaim  
Ghairmiúil i measc Ceannairí  
Scoile agus Múinteoirí

Supporting the Professional  
Learning of School Leaders  
and Teachers

Seirbhís Tacaíochta de chuid na Roinne Oideachais A Department of  
Education Schools' Support Service

**Oifig an Stiúrthóra Bainistíochta, BOOLM, Sráid an tSéipéil, Dún  
Dealgan, A91 C7D8.**

Managing Directors Office, LMETB, Chapel Street, Dundalk, A91 C7D8.

For all queries please contact: [info@oide.ie](mailto:info@oide.ie)

Follow us on X:

@oide\_Ireland

@ Oide\_PP\_t4



Click or scan the  
QR code to access  
the feedback form  
for today's session