CURRICULUM, PEDAGOGY AND BEYOND









How to use DESOS activity builder as a formative assessment tool

Tran Trinh Tran.Trinh@education.vic.gov.au Narcisa Corcaci Narcisa.Corcaci@education.vic.gov.au





Event App

App Download Instructions

Step 1: Download the App 'Arinex One' from the App Store or Google Play



- Step 2: Enter Event Code: mav
- Step 3: Enter the email you registered with
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A02 - (Year 1 to Year 6) Supporting High Potential and Gifted Learners in Mathematics

Pedagogy

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(i) Description

ନ≡ Speaker



Dr Chrissy Monteleone



Acknowledgement of the country

We'd like to start by acknowledging the traditional owners of the land on which we meet today.

Our aims for today

- Set up a teacher account
- How to add a class
- How to create an activity with multiple pages and components
- How to assign an activity to a class
- Understand how to complete a DESMOS activity from student's perspective
- How to navigate through student dashboard
- How to provide feedback on student work
- How to set up self correction (not the main focus coding)





https://teacher.desmos.com/

Warm-up activity

Warm up activity MAV



Reflection:

What type of questions would you like to see that have not been included already?

Would you see yourself using DESMOS activities like this in your Maths class?

How to copy and edit an activity

desmos classroom	Search	Q				
Home	MAV By Tran			🖽 Te	acher Guide	+ : our activity
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Featured Collections	A Mobile	🕑 Tablet 🛛 🔮 Laptop			< Share	activity
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Ampiny Desmos Math						
	Screens					Preview
YOUR STUFF						
Dashboard History	1 Question 1	2 Question 2	3 Question 3	4 Question 4	5 Question 5	
-	Which school are you from?	Please identify	Who was the first person to orbit	Which of the following politicians	Order the coun	tries listed from
Classes		the picture on	the Earth?	won a nobel prize in literature?	area.	gest by surface
Custom Activities	2 °		°	°		t≡
CONECTIONS						

How to create an activity

desmos classroom	Home	Custom Activities	5		Create a New Activity
Home	EXPLORE FREE CONTENT Featured Collections Most Popular	By James Lam Creation of para	pen-ended Task 2 (Edited by You) abolas that need to meet specific criteria.		+ :
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YOUR STUFF Dashboard History					
Classes Custom Activities Collections	<u>Learn more about buildi</u>	<u>ng activities</u>	Create New Activity		

How to add components to an activity

- Open an activity that we've created
- Each slide can be used for one question. Various components (menu on the left) can be added to each slide
- Multiple slides can be added

← Warm-u	op 💿		Preview	Publish
1 Questi X	+			
Teacher Tips	> ···	Question 1		
₩ Note	Free Response			
ñ Math Response	E Multiple Choice			
Checkboxes	t≡ Ordered List			
Graph	S ketch			
Media	Table			
Action Button	Polypad			
Fulls	creen			
Graphing Calc	문 Card Sort	Choose an item on the left to add it to this screen.		
Challenge Creator	Polygraph			

Practice: Components on the warm-up activity

- Notes: Space for us to add a question including instructions, equations e.t.c
- Free response: Space for students to show their working out, type equations
- Multiple choice. Note that we can use checkbox which allows multiple answers instead.
- Ordered list

- Card sorts: Matching cards
- Media: Add images
- Tables of values
- Sketch: Space for students to hand draw graphs
- Graphing calculator: Add graphs, sliders
- Others



Sample activity

Area of composite shapes Names are anonymized

How to create classes and assign activities

desmos classroom

Home **EXPLORE FREE CONTENT** Featured Collections Most Popular Polypad Manipulatives

EXPLORE OUR CURRICULUM Amplify Desmos Math

YOUR STUFF **Dashboard History**

Classes

Custom Activities

Collections

	Manage Your Classes 💿		\langle	Add New C	lass
lasses	CLASS NAME		INVITE CODE	CLASS ROSTER	
	11SMA	Assigned activities	Inactive	24 students	•
	12SMA	Assigned activities	Inactive	<u>14 students</u>	•
	9MATB	Assigned activities	Inactive	<u>26 students</u>	•
	9MATC	Assigned activities	Inactive	<u>26 students</u>	•
	MAV	Assigned activities	6XYWGY	<u>0 students</u>	:

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Add New Class

Students will join your class by entering a code.

Class Name

Home

Manage of the second second

11SMA 12SMA

9MATB

9MATC MAV

Enter class name



Using Google Classroom? Log in with Google to import your

classes. Learn more

Student dashboard

- Click on a class
- Go to 'assigned activities'
- Choose 'dashboard' for one of the activities
- Click on each student to see all the questions they've done or click on each question to see how all students are going

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Screen 5 of 5	Drag the	point to where you think you	Ir level of confidence is
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Student feedback

Genevieve M. Knight	:	•
Abraham Nemeth	•	•
Alan Turing	•	•
Sofia Kovalekskaya	:	
Emmy Noether	•	•
Jesse Wilkins Jr.	:	•
Madhava	:	•
Mary Somerville	•	•
Alicia Prieto Langarica	:	•
Carl Gauss	•	•
Grace Hopper	:	•
Nalini Joshi	•	•
Audrey Tang	:	•
Tasha Inniss	•	•
Daina Taimina	•	•
Maryam Mirzakhani	•	
Brahmagupta	:	



How to self correct answers

How to set up self correct answers

Coding



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Questions?





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