

Joy in Inventing Games

TGfU 40th Anniversary Webinar

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About me



- Started teaching in 2000
- Joined PESTA in 2012
- M.Ed in 2015 at UBC
- Became Master Teacher in 2016
- In-service teacher professional development
- Interest includes game-based approach, inventing games model, teacher beliefs, studentvoice









Focus of the sharing

- Understand the IG process and focus
- What students learned in IG
- Points to note when implementing IG

What is the purpose of games education?

Why Inventing Games?

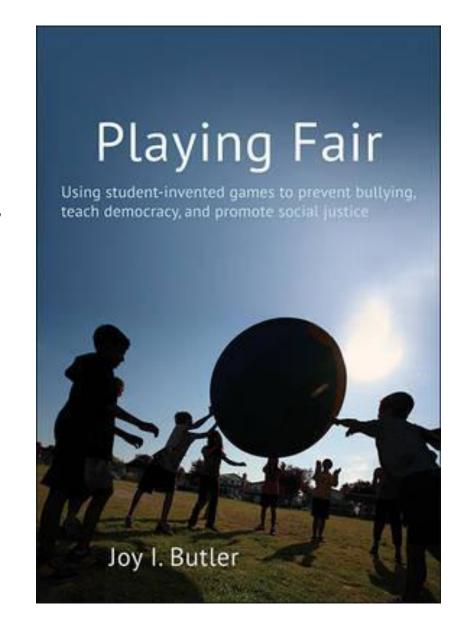


"As students negotiate, debate, overcome conflict, and navigate through problems together while inventing games, they enter a microcosm of community life, encountering the challenges and joys of civic responsibility."

Why Inventing Games?

"An inventing game learning context results in better understanding not only of game structures, game play, and situated skills, but also of self and others, as well as issues of social justice and what makes democracy work"

(Butler, 2016)



Recommended Stages for Grade Levels								
No.	Stages	3–4	5–6	7–8	9–10	11-12		
1	A. Intentions and expectations: Establish group system, roles, and a policy for making decisions	Х	Х	Х	Х	Х		
	B. Define invasion games	Χ	X	X	X	X		
2	Establish the game through democratic process	X	Х	Х	X	X		
3	Play the game	Χ	X	X	X	X		
4	Refine the game	Χ	X	X	X	X		
5	Identify the role of coach		X	X	Х	Х		
6	Establish the official's role		X	X	Х	Х		
7	Showcase all the games	Х	X	X	X	X		
8	A. Identify defensive strategies			X	X	X		
	B. Refine defensive skills			X	X			
	C. Identify defensive transpositional strategies (defense to offense)			Х	Х			
9	A. Identify defensive strategies			X	Х	Х		
	B. Refine defensive skills				Х	Х		
	C. Identify offensive transpositional strategies (offense to defense)				Х	Х		
10	Connect students' invented games to established national invasion games			Х	Х	Х		

Butler, J. (2013). Stages for Children Inventing Games, in *Journal of Physical Education, Recreation* and Dance, 84:4 48-53

What did we do?



The winning team with their form teachers



Scan this QR code for a short video on our inventing game journey

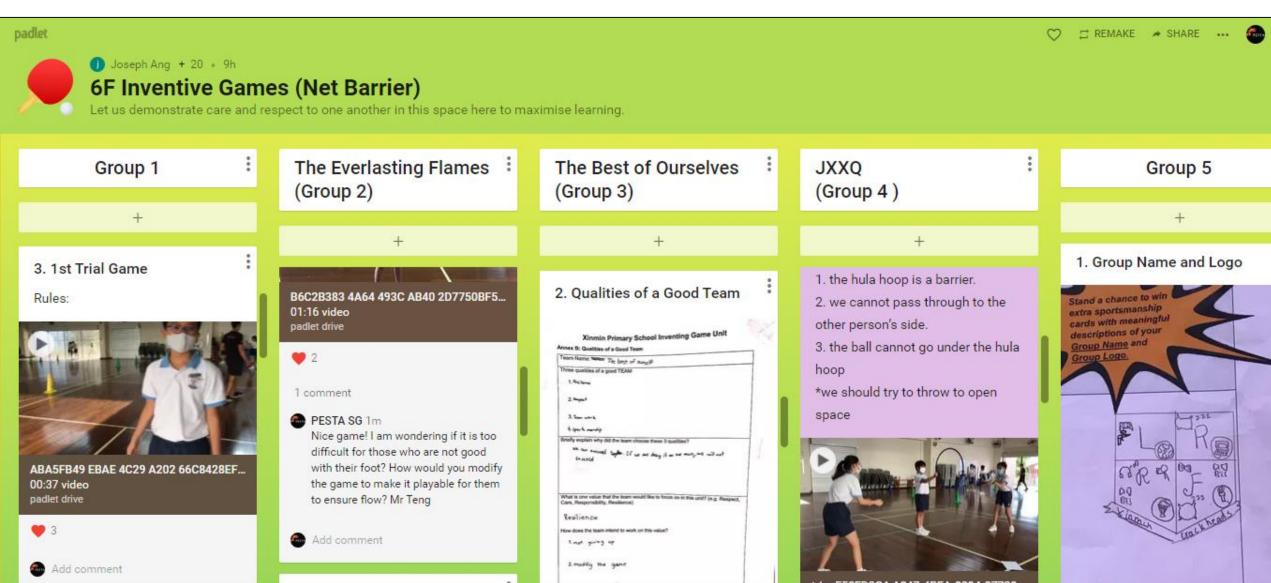
1. Focus of Inventing Game

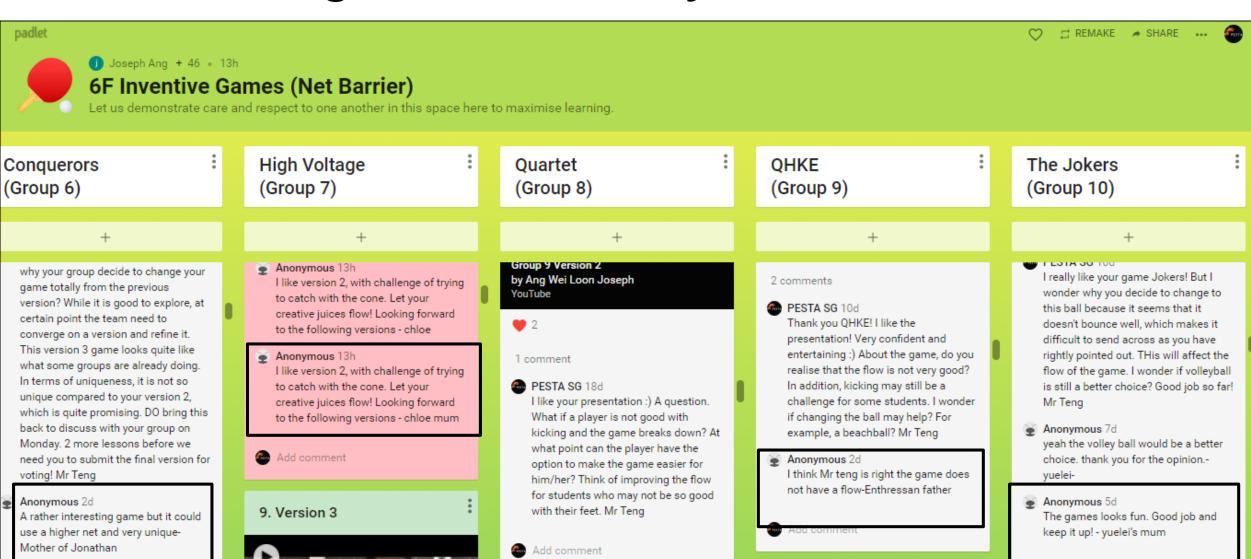
- Invent a game that has the following elements: fun, fair, flow, for everyone (inclusive), safe, challenge
- Games concepts and skills necessary to play well
- Appreciating rules
- Importance of communication
- Group processes on decision making
- Working as a team
- Being kind

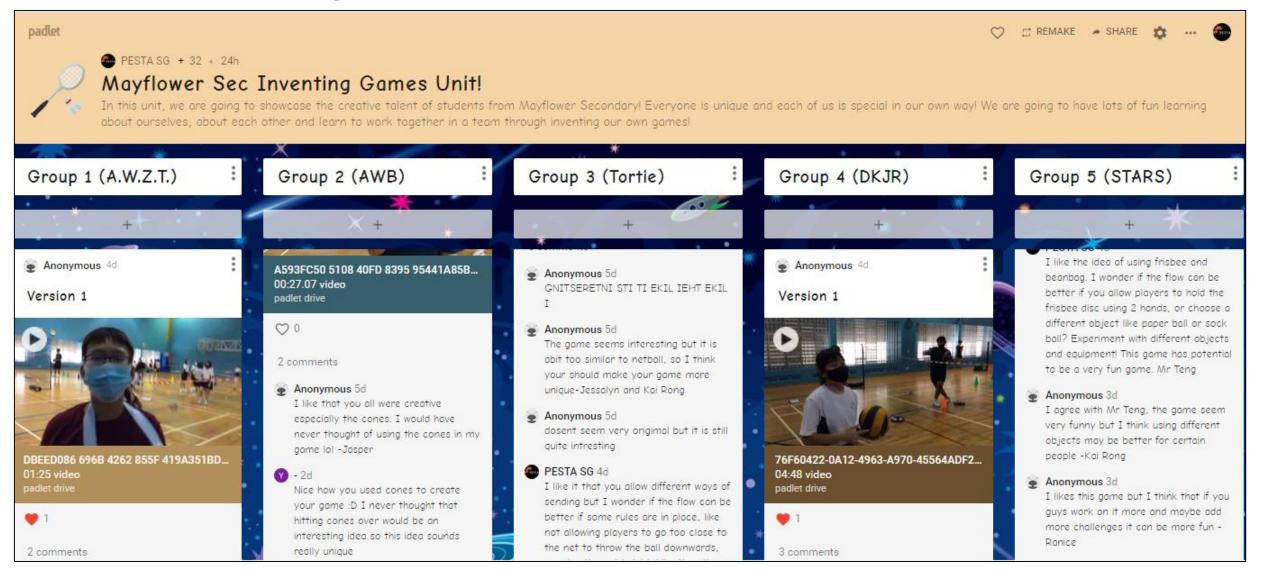
Inventing Games (Net-barrier) Resources

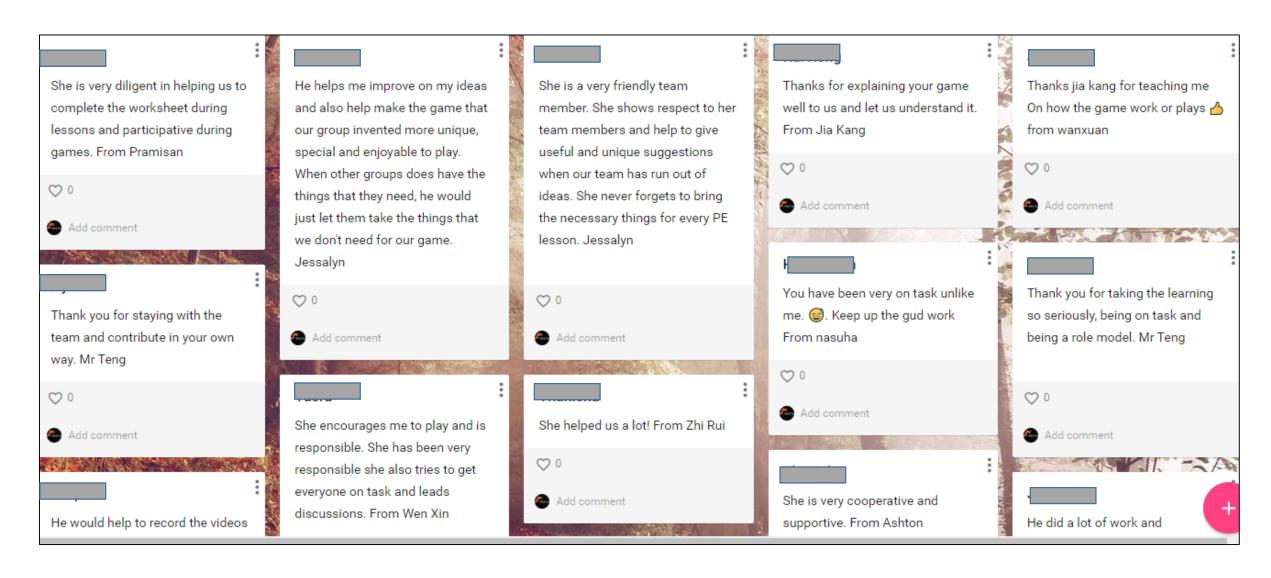






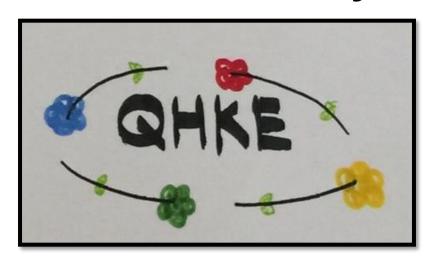


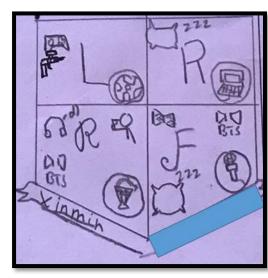




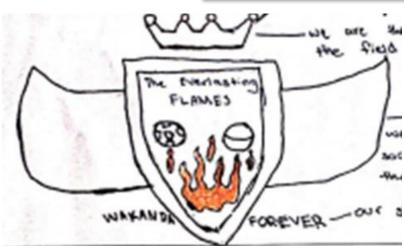
3. Assigning Roles and Creating an Identity











3. Assigning Roles and Creating an Identity



We need cooperation in order to get things done when working in a group. Fun, laughter and humor are bound to be present throughout this project. While everyone has their significant roles, we should all have some leadership to take charge of a situation if needed. Unless you want all hell to break loose, organization is a must.

4. Creating a Fun and Conducive Learning Environment



Rewards



Music

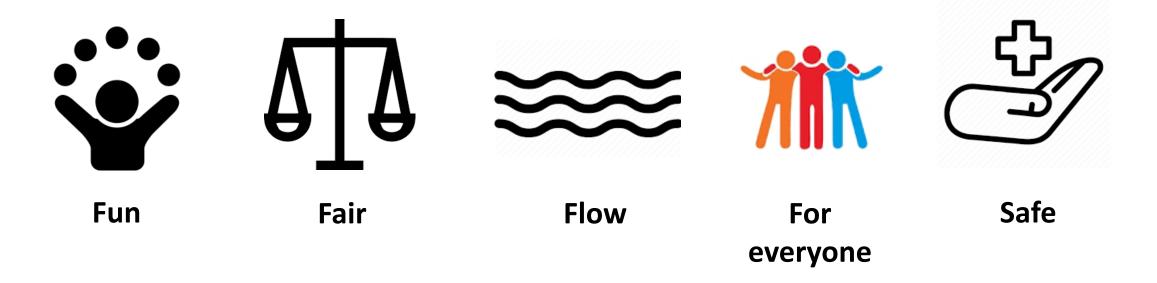


Empower

5. Scaffold their Learning



Primary rules of net-barrier games



5. Scaffold their Learning











6. Creating Group Rules

	Team Name: High Voltage (Grp 7)					
Three qualities of a good TEAM						
	1. Respect					
853						
	2. Resilience					
	3. Teamwork					
Briefly explain why did the team choose these 3 qualities?						
	1) We need to respect each other so that we can communicate and listen & to Gach other					
1	2) We need reselience because we would not onlyance if we					
	heep on giving upon upcoming new activities.					
	What is one value that the team would like to focus on in this unit? (e.g. Respect, Care, Responsibility, Resilience)					
	Resilience					
	1 Collins of					
F	How does the team intend to work on this value?					
	1. We will try new games and methods					
	2. We would encourage one another if a member gives up.					
	3. We will play to the best we can and would not give up if we lose and practise more to improve our skills.					

Group Number: 8 Three qualities of good communication Explain briefly how your team intend to do that			
that the team will abide by	Explain briefly how your team intend to do that		
1. No vulgarities	we will not say The "s" word, nor the "B" word nor n' word I no racism in this peaceu		
2. Let other people have a say	We will take turns talking		
ONE VOICE	we must listen to the person talking and not to interest by talking when someone is talking.		

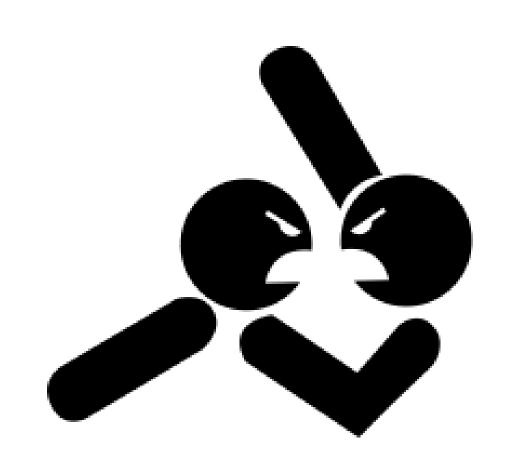
6. Creating Group Rules



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7. Intentionality of Design (E.g. Creating Moments of Aporia)



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- 1. Can you recall an incident when a breakdown in communication which led to an argument or a not-so-pleasant experience between you and your friends or family members? What happened? My classmate said I took his pen. I did not. He thought I purposely lied to him, then we argued (It happened last year)

 **Name of that boy will not be revealed for privacy purposes
- 2. How could the breakdown in communication be avoided?

 Instead of saying "I did not take it", I could say "I really did not take your pen, I swear, Let's look for it together!"
- 3. What is one thing you want to start doing to be a better listener/ communicator?

better listener

be quiet when the say good things about person is talking.

say my own opinions them, if you have bad ally after helshe has things to say, lie abit.

timished talking.

(its totally fine to lie sometimes.)

u have learnt to your everyday life.

Can you recall an incident when a breakdown in communication led to an argument or a not-so-pleasant experience between you and your friends or family members? What happened?

Yes, I recall an incident when a breakdown in communication led to an arguement or a not-so-pleasant experience. It was this time where my friends Wanted to plan out a birthday surprise for our teacher. Everyone had different views of the celebration and wanted different type of food. Then the disagreement began and we could not come to an agreement. And in the end the celebration did not go as plan.

How could the breakdown in communication be avoided?

I think we could separate the jobs so some people can choose the type of cake, others can choose the type of snacks and the rest could choose the beverage. By doing so, the breakdown in communication could then be avoided.

What is one thing you want to start doing to be a better listener/communicate better?

I would want to actually listen to that person and check up on them regularly. When communication, I should also voice out my opinions while discussing but at the same time consider other's views/opinions.

Can you recall an incident when a breakdown in communication which led to an argument or a not-so-pleasant experience between you and your friends or family members? What happened? There was an incident that I was suppose to meet my mother at the bus stop but I went nome stringht away instead. I panic when the doors was closed and it started to rain.

My Mother too, panic after waiting for me at the bus stop

2. How could the breakdown in communication be avoided? For 30 minutes. I should pay more attention to my mother's instruction 3. What is one thing you want to start doing to be a better listener/ communicator? Inwouldn't to pay attention when other people is talking

When was the last time someone was kind to you? Briefly describe the kind act and how you felt.

The incident happened when I was 5 years-old. I was wandering around the shopping mall with my face wet with tears as I looked around for my parents. Just then, a security guard approached me and asked me what happened. I told him that I was lost and that I could not find my parents. The security guard then comforted me and brought me to the information counter to make an announcement. Not long after, my parents came to the information counter to look for me. My initial sad face immediately lit up as I went forward to hug my parents. My parents then thanked the security guard and brought me home. I deeply appreciated the security guard's help and I am amazed at how just one kind deed can bring a smile to my face.

1. How would you rate the performance of your team members for the roles that they are assigned (including yourself)?

Role	Name	Score (1-5)
Team Leader		4
Assistant Team Leader		4
Equipment Manager		4
Admin Manager		4
0 11		

2. How would you rate the performance of the team as a whole in terms of team work?

4 (1-5)

3. What makes you say that?

We did not really have teamwork at the start. However, after a while, teamwork has improved alot and I think that we are willing to work together.

4. When was the last time someone was kind to you? Briefly describe the kind act and how you felt.

I cannot remember the exact time and date. My friends helped me with a few questions that I did not know how to answer.

5. What is one kind act you are committed to do by this Thursday?

There is no one kind act that I am committed to do by this Thursday. If someone needs my help, I will see what I can do to help them. These things just happen. If someone needs help, we should try and help them, have the intiative to do it. Have the kindures to do it too.

9. Anchor on Values and 21CC



Teamwork





Communication





Respect



Resilient

10. Emphasise Collaboration



11. Constantly Seeking Evidence of Learning

Assignments

Padlet

Questioning



Focus Group Discussion

Peer assessment

analysis

Exit slip

Observations

Self-evaluate

Pre and post IG Surveys

Video

What did the Students Learn?

Are you a good team player?

Q1

In the inventing games unit, you will have a lot of opportunities to collaborate with your teammates.

Watch this video and answer the following questions:

Read More

Yes, I fine this video very meaningful as it teaches us that everyone has a part to play in order to succeed. I learnt that even doing the smallest action to help, can make a great impact in the end. Thus, during PE or in group projects, even if my role seems to be the least meaningful, I can do it to my best ability and help the group.

Read Less

3. I admit that i am not very good at communicating with team mates as when i find that the idea is not very splendid i would not put it into deep consideration even though that idea may be good. But after these three weeks of inventing games learning about teamwork, i think i have improved with my communication with my team mates and with the weeks to come, i think at the end of this activity, i could rate myself 4-5.

Read Less

"One thing that I like about Inventing Games is that we can learn more about characters and improve ourselves to be a better person."

"If everyone on the team has great ideas but cannot communicate well, the team will fail."

"Being kind, being open to other's opinions and ideas and having good communication skills."

"Now I know when to listen, stop talking and I know when to talk."

"Calm everybody down, listen to their opinions and give my point of view."

"Respect everyone; Don't be afraid to voice out your ideas; Be responsible and carry out your role well."

"1. Do not fight when there's a disagreement 2.be kind 3. do not use rude words."

"To be respectful, to listen to each other and to care about each other."

"1.Be kind 2.Be civilized 3.Do not put down others."

What did We Learn?



Ask the right question and know when to intervene



Physicality of PE



Scaffold their learning



Take time to manage the conflict

What is Next?

- Inventing invasion games
- Implementing shorter inventing games experiences with younger students
- Presenting at TGfU Conference 2024!
- Contact me at teng tse sheng@moe.gov.sg if you are keen to implement IG and need someone to bounce off ideas

Conclusion

Whether or not IG will work for you depends very much on your beliefs on the following:

- The purpose of PE
- The role of teachers
- How students learn

"...inventing games are most effectively taught by teachers with an ecological complexity worldview... such teachers focus on emergent learning as they encourage learners to ask and consider critical questions to construct knowledge and meaning and develop a sense of ownership of their learning..."

(Butler, 2016, p.12)



Scan this QR code for a short video of a game that one of the groups invented



"Inventing Games is not just a fun experiment. Rather, it is part of an integrated, considered physical education curriculum."

(Butler, 2016)

What is the purpose of games education?

Question Time





Keep in touch! teng_tse_sheng@moe.gov.sg