DP Math A&I Networking Session
Frederick Douglass High School
12.3.20 4:00pm-5:30pm

Session Agenda:

Welcome & Introductions

Focus areas, based on feedback
➔ new external assessments
➔ online instruction/engagement
➔ pacing

Sharing successful instructional activities or routines

Wrap-up/Next Steps

Learning Outcomes:
➔ share strategies & best practices for implementing the course in a distance learning setting
➔ discuss timeline & preparation for the new External Assessment

Activities/Instructional Practices

Practitioner	Idea shared
Anita Wahi	Mathalicious - real-world problems through the lens of mathematics; super engaging and gets kids thinking about how math is used to model the real world but that the real world is not as simple as mathematics can make it seem
Ligaya Laureta	Teacher Desmos -

Heidi McCarty	SmartLab-Able to have individual pages and collaborative pages throughout the lesson (https://suite.smarttech-prod.com/login)

Links to Resources:

Topic/Resource	Link
Desmos	You can click the link to make a copy. It's the first time I've taught it and there may be misspellings because I'm writing 8 lessons a week, but it seemed to go well with my students: https://docs.google.com/presentation/d/1gLcc2Ip3oF4-zGAbRFQ_umLheTTWf5NA-1ZiwusdSH0/edit?usp=copy
Desmos Activities Sorted by IB Math Applications Topics	Topic 1: https://teacher.desmos.com/collection/5cabde1d3925fa4eaa90093f Topic 2: https://teacher.desmos.com/collection/5cac0d73368d6252955fffee Topic 3: https://teacher.desmos.com/collection/5cac0da151fb2176b3a1ac89 Topic 4: https://teacher.desmos.com/collection/5cac0db8a9c000529486103a Topic 5: https://teacher.desmos.com/collection/5cac0dc9368d625295600001
FAQ about IA	https://resources.ibo.org/dp/subject/Mathematics-2021-applications/works/dp_11162-54448?root=1.6.2.8.13&lang=en

	https://bcpscloud-my.sharepoint.com/:w:/g/personal/hcoleman_bcps_org/EfVo2-N_pdZFu53KC4jv2UkBSaMfYfNhvJ6FZw18UuvGYg?e=g0XP7I

Session Minutes/Discussion Notes:
- **MyIB - "in-session mitigations only" - due to new curriculum - that's why no initial changes; adjustments may be made during the standardization process (scaling, grade boundaries, problems, etc.); IA will still be 20% of final grade;**
- **Strategies shared for exam administration (External):**
  - **have students upload a PDF. I have two different versions of each assessment to try to avoid answer-sharing. But the latter is not entirely avoidable.**
  - **For summative assessments, students write down their answers in their notebook, and submit the pictures when they finish.**
  - **genius scan & canvas**
  - **I have also used Google Forms where they can upload a picture of their work.**
  - **Honor statement for all exams.**
  - **Tiny Scanner (phone app) and Schoology**
  - **past exam problems; one problem per page; 45 mins; take photos and upload.**
  - **form based on rubrics; feedback emailed back to students**
  - **I use *Talk and Comment* (Google Chrome extension) to give audio comments - I find it is clearer for them ; EASY to use! Comment box can be pasted anywhere; kids can hear your feedback in your voice; SUPER fast!**
  - **I also provide a PDF and ask cameras to be on. At the end of the time, I ask for them to scan their work in and give feedback on the document itself. I use previous IB questions too and try to score by the markscheme.**
  - **cameras on during exams**
  - **I use XP pen for guided notes**
  - **We use OneNote class Notebook. It shows student's work in real time and it is very easy to give feedback on it.**
- **Grade Boundaries are used to scale their exam grades for gradebook**
- **INTERNAL ASSESSMENT strategies**
  - **strategies for counseling students who want to explore a real world problem that is outside the scope of the class material and that they do not have the skills to do on their own?**

- - - Pacing - (lots of schedules represented today); depends on one or two year course
    - Deadline? mid to late Feb; draft in Jan; In our county, Initial Submission is mid Dec and Final submission due mid Feb of year 2, started topic proposal at end of year 1
      - Compressed schedule -- statistics/Topic 4 to start with; invite students to begin thinking about a topic/proposal; perhaps an IA work day?
      - 1 year ;Chop IA into manageable parts; scaffold benchmark goals
      - 2 year-at end of each unit, have students do a mini-IA; students are more ready to
- - Student collaboration in virtual environments:
    - Jamboards
    - We do groupings in Microsoft teams and also collaboration space on class notebook
    - KAMIAPP -one file per student/annotate/efficient/direct annotation
    - whiteboard.fi is a way to have students collaborate.
    - I put students into breakout groups, and share google slides
    - Breakout Room roles

Networking Feedback: Please complete no later than tomorrow at 5pm.
IBMA DP Math Networking Feedback Form