Unleashing the power of MYP onscreen examinations

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Unlocking the power of...

- **Connections** - curriculum alignment
- **Perspective** - eAssessment in the IB, and beyond
- **Development** - digital assessment technologies
- **Design** - plan, build, test, learn, repeat
- **Community** - working together for student success
1. Powerful connections

Alignment between the written and assessed curriculum
Connecting the programme model to innovations in MYP external assessment.
broad and balanced global contexts approaches to learning programme alignment

First teaching September 2014
<table>
<thead>
<tr>
<th>Aesthetics</th>
<th>Change</th>
<th>Communication</th>
<th>Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connections</td>
<td>Creativity</td>
<td>Culture</td>
<td>Development</td>
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<tr>
<td>Form</td>
<td>Global interactions</td>
<td>Identity</td>
<td>Logic</td>
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<tr>
<td>Perspective</td>
<td>Relationships</td>
<td>Time, place and space</td>
<td>Systems</td>
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<tr>
<td>Subject group</td>
<td>Sample related concepts</td>
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<tr>
<td><strong>Language and literature</strong></td>
<td>character, theme, genre</td>
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<tr>
<td><strong>Language acquisition</strong></td>
<td>word choice, accent, idiom, voice</td>
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<tr>
<td><strong>Individuals and societies</strong></td>
<td>globalization, power, sustainability</td>
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<tr>
<td><strong>Sciences</strong></td>
<td>energy, transformation, evidence</td>
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<tr>
<td><strong>Mathematics</strong></td>
<td>measurement, pattern, representation</td>
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<tr>
<td><strong>Arts</strong></td>
<td>composition, style, role, intent</td>
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<tr>
<td><strong>Physical and health education</strong></td>
<td>balance, movement, systems</td>
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<tr>
<td><strong>Design</strong></td>
<td>form, function, innovation</td>
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Developing international mindedness

MYP global contexts

identities and relationships
dimensions of space and time
personal and cultural expression
scientific and technical innovation
globalization and sustainability
fairness and development
### ATL skill clusters - subject group objectives

<table>
<thead>
<tr>
<th>ATL skill categories</th>
<th>MYP skill clusters</th>
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</thead>
<tbody>
<tr>
<td>Communication</td>
<td>I. Communication</td>
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<tr>
<td>Social</td>
<td>II. Collaboration</td>
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<tr>
<td>Self management</td>
<td>III. Organization</td>
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<td>IV. Affective</td>
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<td>V. Reflection</td>
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<td>Research</td>
<td>VI. Information literacy</td>
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<td>VII. Media literacy</td>
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<tr>
<td>Thinking</td>
<td>VIII. Critical thinking</td>
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<td>IX. Creative thinking</td>
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<td>X. Transfer</td>
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Curriculum benefits of eAssessment

- Additional IB resources for research and programme development
- Stronger and more reliable measures of accountability
- Modeling good internal assessment practice
- Building assessment expertise among IB educators
- Establishing global communities of practice in curriculum development, teaching practice and summative assessment
- Sharper focus on interdisciplinary learning, global engagement and the IB learner profile
2. Powerful in perspective

The role of MYP onscreen examinations in the IB and beyond
New MYP Assessment model

Onscreen exams
- Language and Literature
- Individuals and Societies
- Mathematics
- Sciences
- Interdisciplinary

ePortfolios
- Design
- Arts
- PHE
- Language Acquisition
- Personal Project
Backed by 45 years of IB assessment expertise
New complementary staff of experts in large-scale assessment and emerging fields of digital assessment design
Taking advantage of DP gains in e-marking, examiner recruitment and training, upload facilities, technical support, reporting, and data analysis
Industry-leading approach to onscreen examinations
Building human and organizational capacity for the IB and IB World Schools to extended development of eAssessment in other programmes

MYP eAssessment in context
Benefits onscreen examinations

- Innovative and rigorous tasks which employ engaging, media-rich background material and creative response options
- Onscreen examinations which support a wide range of individual learning needs
- Tasks which probe students’ conceptual understanding
- Allow efficient sampling of student achievement across a range of subjects
- Focus on difficult-to-assess skills in critical and creative thinking
- Offer opportunities for students to work in familiar environments utilizing widely-developed technical skills
Timeline

2015

May-June

- MYP Assessment Leading to IB MYP Certificate (existing moderation model)
- MYP eAssessment Leading to IB MYP Course Results (onscreen examinations in limited subjects)

2016

December

- MYP Assessment Leading to IB MYP Certificate (existing moderation model)

May

- MYP eAssessment Leading to IB MYP Course Results & IB MYP Certificate

November
3a. Powerful development

Features of the MYP onscreen examination platform
Onscreen Examinations
Getting familiar with the new assessments
Background

This task focuses on the key concept of relationships within the global context of globalisation and sustainability. In this real world problem, you will explore urban planning and infrastructure by studying the flow of traffic in cities around the world.

Question 1 (3 marks)

Traffic at a junction in Glasgow (Scotland). Record and estimate traffic flow.

Question 2 (6 marks)

Select a graph to present the traffic data and explain your choice.

Question 3 (6 marks)

Compare and contrast traffic data for Paris and Dubai and the factors affecting it.
Background

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3b. Powerful development

Examining tasks from the 2013 onscreen examination trial
Water-borne pathogens are a major health risk. This task focuses on the key concept of relationships – the interaction between pathogen and host. Human impact on the environment is explored within the global context of globalisation and sustainability.

Question 1 (4 marks)

Bacteria in water supplies
Draw a diagram showing the interactions between organisms in this ecological community. Explain why blocking DNA replication is harmful to the bacterium.

Question 2 (8 marks)

Bacteria dividing
Construct a table and create a graph. Compare your graph with a model and evaluate the use of this model.

Question 3 (2 marks)

Water purification
Describe how two of the methods depicted in the video make water safe for drinking.
Background Resources

Congestion and Sanitation
About 600,000 people in Kenya’s capital live in the Kibera neighbourhood, East Africa’s largest informal settlement. Congestion is a major problem. There is not even the space to build toilets.

Question 1 (8 marks)
Describe four problems experienced by residents of the Kibera neighbourhood.

Question 2 (2 marks)
Write a 6-12 word home page headline that will engage readers and encourage them to read more of your website.

Question 3 (10 marks)
Suggest, evaluate and justify courses of principled action that could improve the quality of life for people living in low-income urban environments.
Guide to MYP eAssessment
(live pilot examinations)

Components

Objectives/ Criteria
Test Blueprint
Trial Task
Mark Scheme
General grade descriptors

Conversations

What do I have here?
How does it seem to work/ what is it for?
What questions do I have about it?
How might I see it leading to a stronger MYP?
4. Powerful by design

Select findings from the 2013 MYP onscreen examination trials
Occurrence of technical problem during the task

- I solved it myself
- I got help and solved it
- Problem was not solved, I did not complete the task
- I did not complete the task

No technical problems during task
Understanding of various buttons

Percentage understanding of various buttons:

- Assistance
- Background
- Bookmark
- Status menu
- Status map
- Progress bar

Categories:
- clear
- after try out
- still not clear
- did not see

Percentage scale: 0% to 80%
Submission of digital work last week

- Regularly/the majority of subjects
- Occasionally
- Never
- For almost every subject
Teachers requiring students to submit digitally

- Language A
- History
- Biology
- Mathematics
- Interdisciplinary

- All/majority of lessons
- An occasional lesson
- Not in last topic
Students’ experience per subject—all students

- Tech problems
- Don’t like typing
- Task more difficult
- New skills
- Unfamiliar language
- Against eAssessment

Categories:
- Language A
- History
- Biology
- Mathematics
- ID
Students’ and teachers’ recommendation for on-screen assessment per subject
• Typing out answers on assessments like this, for some odd reason, does not make me half as anxious as I am when I write them. I feel more confident when I type my answers, because I feel that I can elaborate more. Writing is something I do when I am emotional, and typing is when I am doing something like essays. Typing makes my focus academics and academics only.

• I think that onscreen examinations are much better because there is no chance of cheating someone else's work; it is challenging because we have to do more work in comparatively less time. The examination was a really good experience as it really depended on our own intellectual and analytical skills. The students can also edit their work repeatedly if done something wrong, and there is no chance of incorrect or unfair marking through the on-screen exams.
• If only final exams could be like this :'(

• It is advantageous to type for written answers however with mathematical equations and calculating it was more difficult to have to type my answers.

• I think the onscreen examinations are better suited to humanities and English subjects which require more writing

• I didn't expect so much use of multimedia like videos. Although I did enjoy it, I didn’t expect it.

• I felt it was quite good and effective way of testing our critical thinking skills. I also believe that this exam which is on screen is more effective than writing with pen or pencil because it requires long explanations.
Coordinator agreement with “From the perspective of a coordinator who must organize and conduct examinations, I would recommend on-screen examinations to other coordinators”
5. Power of community

Here’s how you can get involved
April 2014
- eAssessment development report
  Moderation 2015 required tasks
- 2013 trial report
- onscreen examination presentation

September 2014
- Guide to MYP eAssessment (2015 live pilot examinations)
  - onscreen examination blueprints
  - specimen tasks and mark schemes for onscreen exams
  - subject-specific grade descriptors
- Handbook of procedures for the MYP (2015 live pilot examinations)
- eAssessment update (MYP languages)
2015 Live pilot examination series

- Limited availability
- Some spaces open for MYP 4 students
- No duplicated subjects for students who are registered as candidates for the MYP certificate or MYP course results
- Cost: US$50 registration + US$70 per examination
- Registration opens in October 2014
Unique opportunities: MYP interdisciplinary onscreen exam
Find out more about MYP assessment
Become an IB examiner
www.ibo.org/examiners