

The Asia Pacific College

Senior High School Academic Track

United Professionals for the Development and Advancement of Teacher Education (PATEF-UPDATE) 13th National Convention 22 November 2016





Rationale





Outcomes

Plans













- • Life & Career skills
- Learning & Innovation argumentation (4C)
- ••Information, media and technology literacy

Core Skills



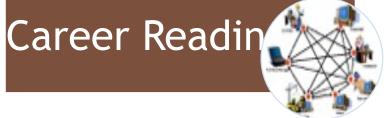
http://www.p21.org/

- ••Engineering (15%)
- ••Science & Math (13%)
- • Health Science (10%)
- Information Technology (10%)
- ••Others (52%)



CMO 01. S 2014

- ••General Skills
- • Contact Center
- Information Technology
- • Health Informatics
- • Gaming and Animation
- • Shared Service



Frost & Sullivan analysis, IBPAP & member companies

Life & Career skills
 Learning & Innovation argumentation (4C)
 Informaiton, media and technology literacy
 Key subjects: 3Rs

Core
Skills

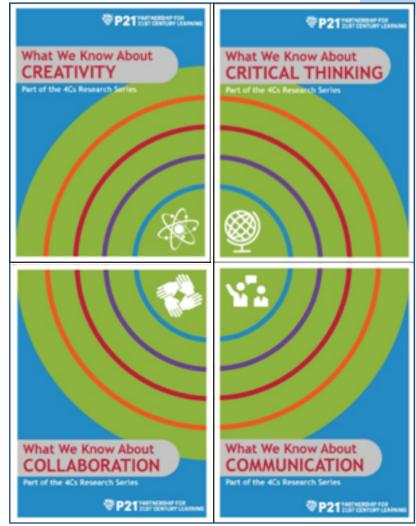
http://www.p21.org/

Among priority skills and competencies identified: Framework for

21st Century

Learning - P21





http://www.p21.org/our-work/4cs-research-series

- . Engineering (15%)
- · Science & Math (13%)
- Health Science (10%)
- Information Technology (10%)
- Others (52%)



CHED Priority Courses for AY 2014/15 to AY 2001/91/18014

More than 60% of courses need foundation in STEM



- General Skills
- · Contact Center
- Information Technology
- Health Informatics
- · Gaming and Animation
- Shared Service



Frost & Sullivan analysis, IBPAF & member companies

IBPAP Roadmap	2016	2022
Global Market Share (%)	12.6	15.5
Mid-high Skills jobs (%)	53	73
Revenue (\$)	22.9B	38.9B
FTE (employment) ('000)	1,146	1,800



Following specific skills are identified Readiness roles / opportunities in a technology-transformed IT-BPM industry



General Skills

- Critical / Design Thinking
- Project Management
- Basic analytics knowledge (at least SQL)
- Statistical and Quantitative Analysis
- Data visualization



Contact Center

- Big Data Project Managers
- Natural language processing
- Collaborative internet architectures
- Decision support systems performance evaluation
- Machine Learning and Data Mining



Information Technology

- Computer System Analysts
- Computer and information Research Scientists
- Python programming
- Functional industry expertise (core process)
- Natural language processing
- ·Entrepreneurship & Business Management



Health Informatics

- ·Health information management
- Functional skills (Radiology, Pharmacology)
- Clinical informatics
- Health chemo-informatics
- Nano-informatics
- ·Principles of evidence-based clinical practice



Gaming and Animation

- Virtual reality development experience
- Augmented reality constructs
- Network integration and programming
- Entrepreneurship & Business Management



Shared services

- Mix of skills required with other sectors
- Especially skills required for contact center and IT







- Hired graduates of APC Senior High School (SHS) Model, 2012 - 2015
- 2. Proof of concept of the APC and IBPAP Partnership SHS Model as pipeline for talent required of IT-BPM (2016)
- 3. Scaled implementation of APC and IBPAP Partnership SHS through extended partnerships with CHED and DepEd (2016 -)





Industry



- Innovation
- · Informaiton, media and technology literacy
- Key subjects: 3Rs

Core

Skills



http://www.p21.org/

- Health Science (10%)
- Information Technology (10%)
- Others (52%)

College Readiness



CMO 01. S 2014

- · Health Informatics
- · Gaming and Animation
- Shared Service

Career Readiness



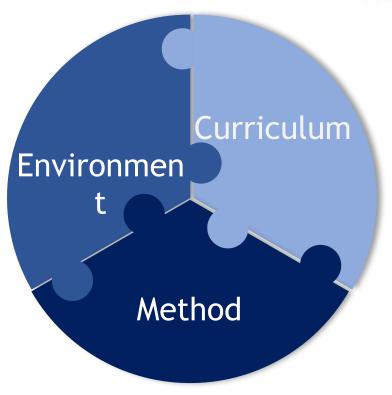
Frost & Sullivan analysis, IBPAP & member companies





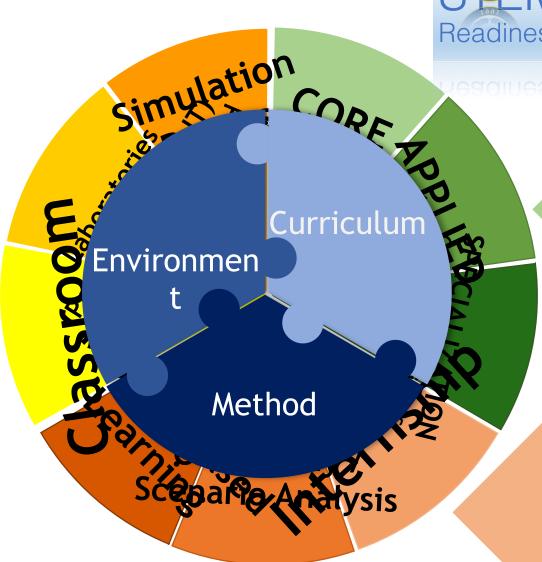
On April 30, 2012 the Business Processing Association of the Philippines (BPA/P) General Members Meeting held at the Makati Shangri-La, a Memorandum of Agreement (MOA) was signed by representatives from BPA/P, Department of Education (DepEd), and the consortium of Asia Pacific College, Don Bosco Schools and TVET Centers, and The Manila Times College to offer Higher School in the presence of Secretary Bro. Armin Luistro.





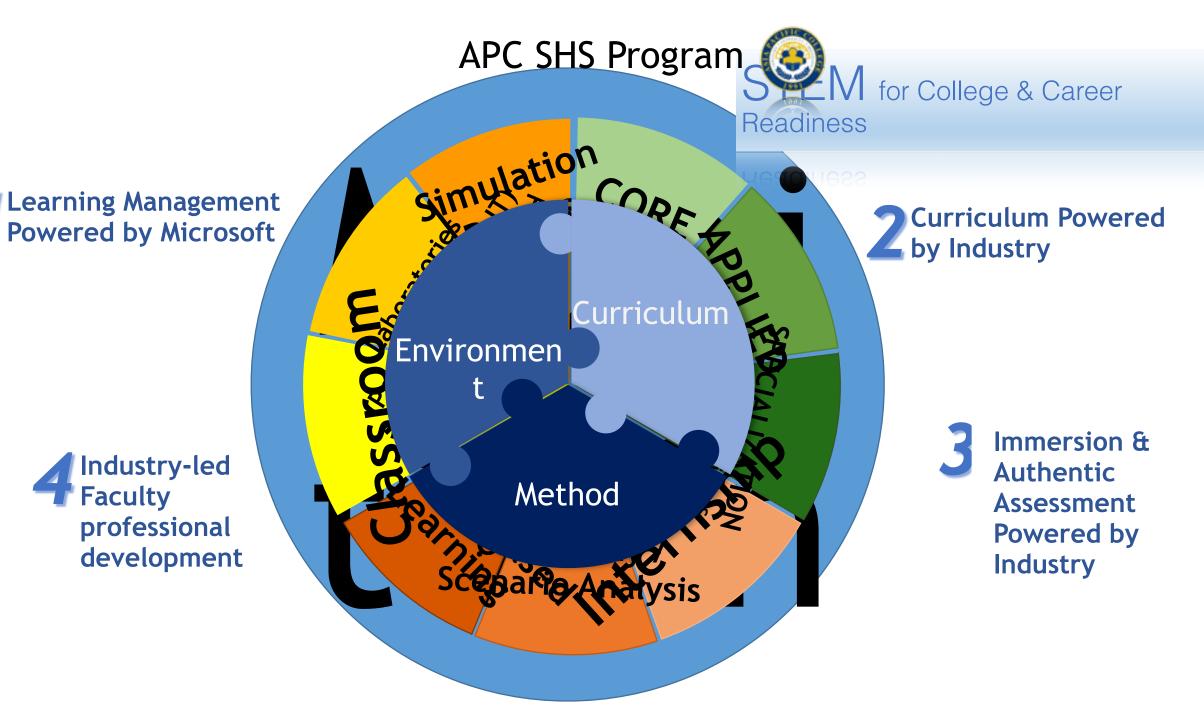
APC SHS Program for College & Career Readiness

Industry - Academe Partnership



Outcomes - based curriculum

Performance - based methods in cooperation with Industry partners



Faculty



APC SHS Program for College & Career Readiness

Learning Management Powered by Microsoft technology

- Office 365
- OneNote
- Sharepoint
- Skype

https:// www.apc.edu.ph/ microsoft showcase scho ols

Asia Pacific College first to offer senior high school powered by Microsoft

By Joyce Ann Umali

ASIA Pacific College (APC) has collaborated with Microsoft Philippines for the enhancement of its senior high school curriculum. Established in 1991 by the SM Foundation and IBM, the multi-awarded school is the first to graduate Grade 12 students. The MOU was signed by APC board chair Ramon Y. Dimacali and Microsoft Philippines country general manager Karrie C. Ilagan.

Through this collaboration, Microsoft applications and learning resources will be integrated in the APC senior high school curriculum, specifically in Science, Technology, Engineering and Math (STEM) and Accountancy, Business and Management (ABM) strands. Senior high school students will be given the opportunity to acquire Microsoft Certifications such as Microsoft Office Specialist (MOS) and Microsoft Technology Specialist (MTA) on top of their high school diploma.

"Our partnership with APC enables us to deliver solutions that help transform education and create truly connected, immersive learning experiences," said Dondi Mapa, national technology officer



FROM left: Microsoft Philippines national technology officer Dondi Mapa, Microsoft Philippines country general manager Karrie C. Ilagan, APC board chair Ramon Y. Dimacali, APC president Dr. Paulino Y. Tan, and APC board member/SM Investments Corp. corporate services senior vice president Lizanne C. Uychaco.

of Microsoft Philippines. "What is cations into the competence of their significant about this partnership is students. that with the integration of Miqualified to apply for work."

integrate IT education and certifi- they finish senior high school.

Being the first academic institucrosoft Certifications for senior tion to produce industry-ready sehigh school students, they become nior high school graduates, APC boasts of its industry-based curricu-The partnership between APC lum carefully designed to answer and Microsoft Philippines comes at the industry's demand for technian opportune time. In June 2016 all cally skilled professionals. With the Grade 10 graduates will enter se- addition of Microsoft Philippines to nior high school or Grade 11 as its long list of industry partners, mandated by RA 10533 or the En- APC assures its students that they hanced Basic Education Act of are not only getting quality educa-2013. With the envisioned success tion and learning experiences that of the program, APC and Microsoft will help them become globally intend to open source the curricu- competitive, they are also already lum for other schools who want to qualified for employment when

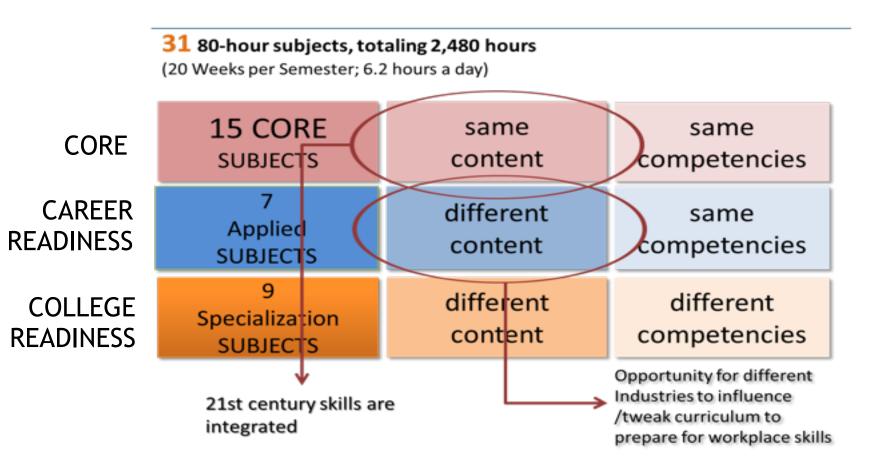




2 Curriculum Powered by Industry

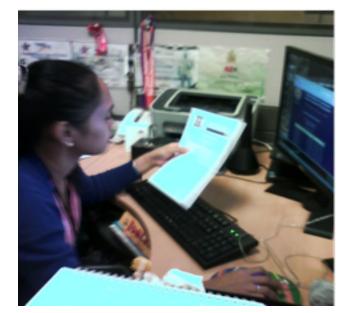
- IBPAP -Service Management
- Accenture Programming
- RX Secure -Medical Coding
- MS IT
 Academy
 Certification

APC SHS Program for College & Career Readiness





Immersion & **Authentic Assessment** Powered by **Industry**



Immersion in Company

APC SHS Program for College & Career



Benedict Hernandez, BPAP President conducts **FGD** with Students



Readiness



Industry-led Faculty professional development

- Accenture
- Microsoft
- Accenture
- RX Secure
- IRDAD

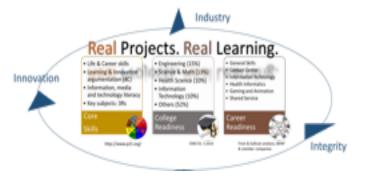


APC SHS Program



Train-the-Trainer Methodology

Trainer Equip	ping	Aided Teaching	Independent Teaching	
✓ Identify Trainers				
✓ Identify Faculty	y Faculty Update training materials		✓ Classroom Immersion (74)	
✓ Draft materials	✓ Training (12)	✓ Shadowing (6)	✓ Reverse Shadowing (6)	
	✓ Teachback (4)	✓ Debriefing (3)	Feedback from Students	
	Feedback from CapDev		Checkpoints with CapDev (3)	
Total hours = 16		Total hours = 92 80 in the classroom (shadowing + immersion) 6 hours for SME to do reverse shadowing 6 hours for feedback, one after each module		



Program Outcomes for College & Career Readiness

readiness

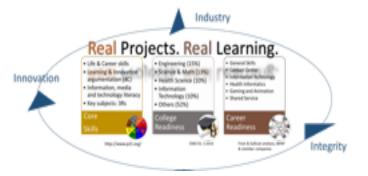
HIRED!

1. Hired graduates of APC Senior High School (SHS) Model, 2012 - 2015

PROVEN!

2. Proof of concept of the APC and IBPAP Partnership SHS Model as pipeline for talent required of IT-BPM (2016)



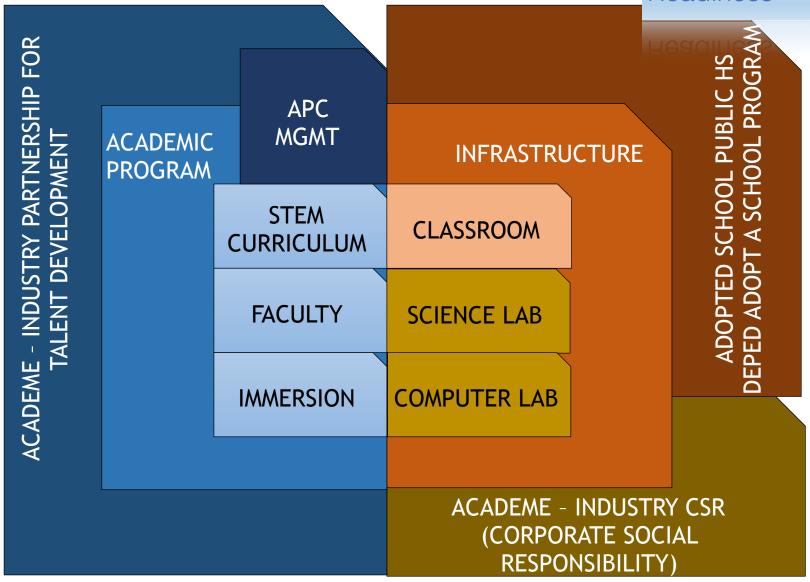


Program Outcomes (6) VI for College & Career Readiness

SCALE UP 3. Scaled implementation of APC and IBPAP Partnership SHS through extended with CHED and DepEd (2017) Partnership SHS through extended partnerships









Thank you.