Classrooms for the Future

1:1 Tablet Initiative

21st Century Classroom:

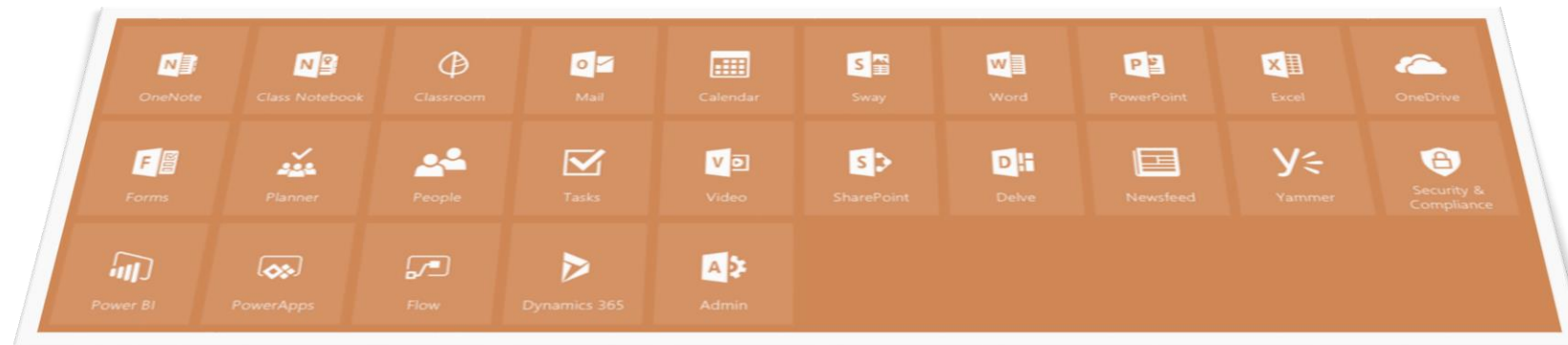| Traditional Learning Environment	Babylon Learning Environment
Teacher-Centered Instruction	Student-Centered Instruction
Single Sense Stimulation	Multi-Sensory Stimulation
Single-Path Progression	Multi-Path Progression
Single Media	Multimedia
Isolated Learning	Collaborative Learning
Information Delivery	Information Exchange
Passive Learning	Exploratory/Inquiry-Based Learning
Factual, Knowledge-Based Learning	Critical Thinking
Reactive Response	Proactive/Planned Action
Isolated, Artificial Context	Authentic, Real-World Context

Office 365:

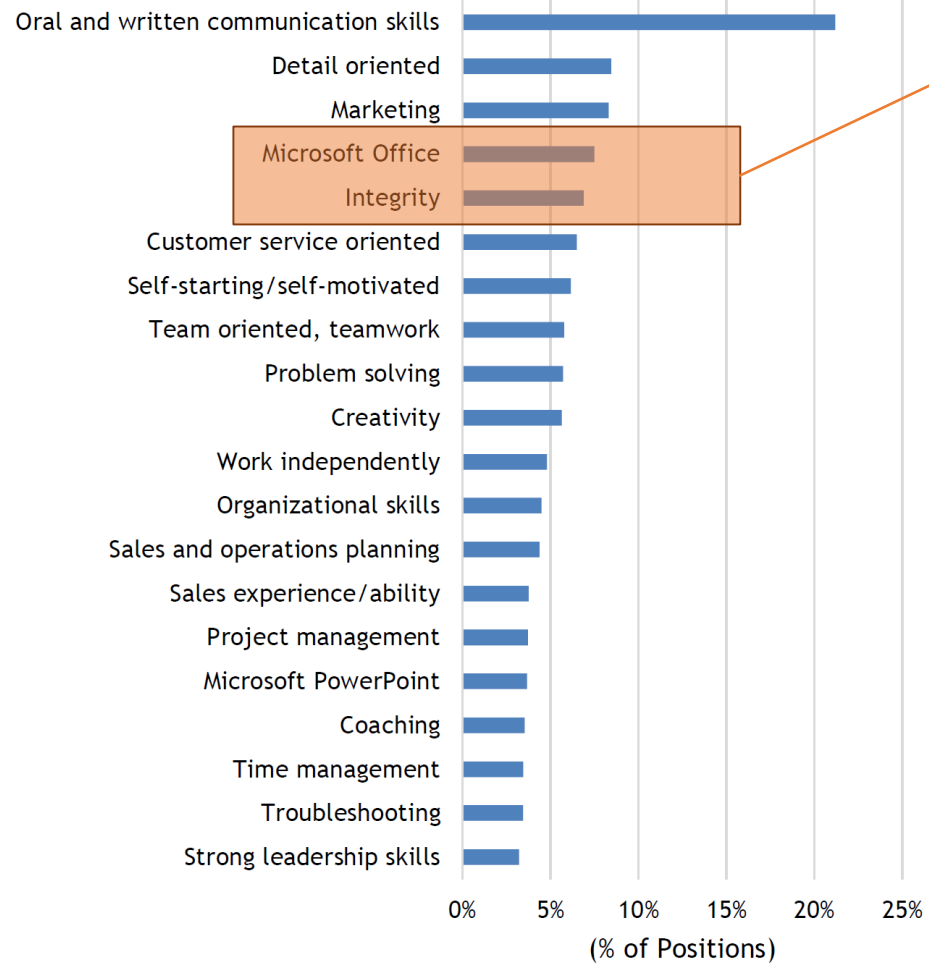Migration from Google to Office 365

❖ Early July 2017 – Mail/Drive/Calendar

Supports Our Continued Effort For:

❖ Increased Collaboration & Communication (Written & Oral Skills)
❖ Increased College & Career Readiness Skills / Digital Literacy
❖ Increased Integration into a 1:1 Device

Office 365:

Top Skills for All U.S. Occupations

Skill	(% of Positions)
Oral and written communication skills	~21%
Detail oriented	~8%
Marketing	~8%
Microsoft Office	~7%
Integrity	~7%
Customer service oriented	~6%
Self-starting/self-motivated	~6%
Team oriented, teamwork	~5.5%
Problem solving	~5.5%
Creativity	~5.5%
Work independently	~5%
Organizational skills	~4.5%
Sales and operations planning	~4.5%
Sales experience/ability	~4%
Project management	~4%
Microsoft PowerPoint	~4%
Coaching	~3.5%
Time management	~3.5%
Troubleshooting	~3.5%
Strong leadership skills	~3.5%

(% of Positions)

Microsoft Office

Integrity

Office 365:

Comparison of Top 10 Skills for High-Opportunity Occupations and All Occupations in the United States

* Indicates communication, integration, or presentation skill

Source: IDC, based on WANTED Analytics and U.S. Bureau of Labor Statistics data, February 2016
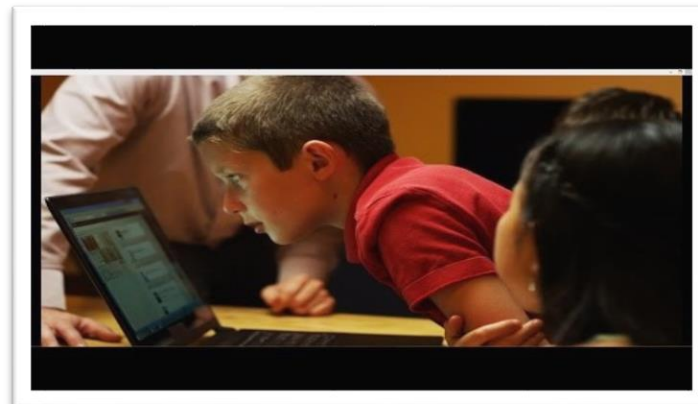
Office 365:

Save Time with Office 365:

Organize in One Place - OneNote:

Improve Reading & Writing Skills:

Engage Every Student:

Smart Schools Bond: The Process

Initial Review:
First Submission
Resubmission after Revision

Program Area Review:
Depending on the Budgeted Categories:
Sent to the Office of Educational Design and Technology and/or
Sent to the Office of Facilities Planning and/or
Sent to the Office of Early Learning

Expenditure Review:
Detailed review of specific budgeted items
Resubmitted after revisions with expenditures

Review Board:
Sent to SUNY for review of relevant professional development and collaboration with teacher preparation programs and DOB for complete review

Approved:
District can begin to make expenditures consistent with approved plan

Smart Schools Bond: Phase I Wi-Fi Project

❖ Phase I: Wi-Fi Project
  - Status: Still in Review
    - Process is extremely slow

<u>Review Process:</u>

1. Initial Review
2. Program Area Review
3. Expenditure Review
4. Review Board
5. Approved

121 of 355 Plans Approved in NYS (34%)

http://www.p12.nysed.gov/mgtserv/smart_schools/

1:1 for K-8: Smart Schools Bond Phase II

Estimated enrollment in Babylon Schools 2017-2018:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

HP x360 310 G2 EE Convertible PC: Expected to arrive in December 2016

❖ Estimated at @421 per device, $100 Accidental Device Protection Plan (pricing could be slightly higher or lower).

1:1 for K-8: Smart Schools Bond Phase II

Elementary School: 303

❖ @ $521 per device w/ ADP: $157,863
❖ 15 Anthro YES carts @ $1,624: $24,360
❖ 303 Bluetooth Mouse @ $20: $6,060

Grade School: 453

❖ @ $521 per device w/ ADP: $236,013
❖ 21 Anthro Yes carts @ $1,624: $34,104
❖ 453 Bluetooth Mouse @ $20: $9,060

Junior High: 257

❖ @ $521 per device w/ ADP: $133,897
❖ @ 8 per bag: $2,056
❖ 257 Bluetooth Mouse @ $20: $5,140

Spare Devices: 25

❖ @$521 per device w/ ADP: $13,025

Elementary School:	$188,283
Grade School:	$279,177
Junior High School:	$141,093
Spare Devices:	$13,025
Remaining Smart School Allocation:	$621,578
Phase II Smart Bond Allocation:	$596,480
Total Remaining Allocation:	$-25,098
Budget Utilization for 16 Anthro Carts:	$25,984
Total Remaining Allocation:	$886

1:1 for Teachers: 5 Year Plan Through BOCES

Estimated Staffing in Babylon Schools 2017-2018:

Elementary School:	Memorial Grade School:	Jr./Sr. High School:
32	49	95

Microsoft Surface Pro 4:

❖ Estimated at $859 per device (4GB RAM, 128GB SSD, Pen, Charger), $96 per keyboard, $20 per mouse, $63 per case, $310 accidental device protection plan (prices could be slightly higher or lower)

1:1 for Teachers: 5 Year Plan Through BOCES

Staff: 176

- ❖ @ $1,348 per device: $237,248
- ❖ 150 Microsoft Wireless Adaptor @ $50: $7,500
- ❖ 100 Microsoft VGA Adaptor @ $40: $4,000
- ❖ 100 Microsoft HDMI Adaptor @ $50: $5,000

Administrators: 8

- ❖ @ $1,348 per device: $10,784

Additional Devices: 5

- ❖ @$1,348 per device: $6,740

Staff:	$237,248
Administration:	$10,784
Additional Devices:	$6,740
Total Cost:	$254,772

1:1 for Students: Two Options

Microsoft Surface Pro 4:

- ❖ i5 Processor
- ❖ 128GB SSD
- ❖ 4GB RAM
- ❖ Windows 10 for Education
- ❖ 12.3" (2,736x1,824)
- ❖ Touchscreen

- ❖ $859 per device
- ❖ $96 per keyboard
- ❖ $20 per mouse
- ❖ $310 4 year accidental damage coverage

- ❖ $1,348 per device

HP x360 310 G2 EE Convertible PC :

- ❖ i3 Processor
- ❖ 128GB SSD
- ❖ 8GB RAM
- ❖ Windows 10 for Education
- ❖ 11.6" Screen (1,366x768)
- ❖ Touchscreen

- ❖ $650 per device
- ❖ $20 per mouse
- ❖ 130 3 year accidental damage coverage

- ❖ $800 per device

Estimated Pricing: Pricing might vary depending on market and device release

Surface Pro 4: Option 1 (9-12) 1:1

Estimated enrollment in Babylon Schools 2018-2019:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

High School: 532 (545)

❖ @ $1,348 per device: $734,660

High School:	$734,660

Surface Pro 4: Option 2 (9-10, 9, 9) 1:1

Estimated enrollment in Babylon Schools 2018-2019:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

High School Year 1 (9-10): 248 (255)
❖ @ $1,348 per device: $343,740

High School Year 2 (9): 132 (140)
❖ @ $1,348 per device: $188,720

High School Year 3 (9): 102 (110)
❖ @ $1,348 per device: $148,280

Year 1 Costs for High School:	$343,740
Year 2 Costs for High School:	$188,720
Year 3 Costs for High School:	$148,280
Total Cost:	$680,740

Surface Pro 4: Option 3 (9, 9, 9, 9)

Estimated enrollment in Babylon Schools 2018-2019:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

High School Year 1 (9): 125 (135)
❖ @ $1,348 per device: $181,980

High School Year 2 (9): 132 (140)
❖   @ $1,348 per device: $188,720

High School Year 3 (9): 102 (110)
❖   @ $1,348 per device: $148,280

High School Year 4 (9): 112 (120)
❖   @ $1,348 per device: $161,760

Year 1 Costs for High School:	$181,980
Year 2 Costs for High School:	$188,720
Year 3 Costs for High School:	$148,280
Year 4 Costs for High School:	$161,760
Total Cost:	$680,740

HP x360 Convertible PC: Option 4 (9-12) 1:1

Estimated enrollment in Babylon Schools 2018-2019:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

High School: 532 (545)

❖   @ $800 per device: $436,000

High School:	$436,000

HP x360 Convertible PC: Option 5 (9-10, 9, 9) 1:1

Estimated enrollment in Babylon Schools 2018-2019:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

High School Year 1 (9-10): 248 (255)
❖ @ $800 per device: $204,000

High School Year 2 (9): 132 (140)
❖ @ $800 per device: $112,000

High School Year 3 (9): 102 (110)
❖ @ $800 per device: $88,000

Year 1 Costs for High School:	$204,000
Year 2 Costs for High School:	$112,000
Year 3 Costs for High School:	$88,000
Total Cost:	$404,000

HP x360 Convertible PC: Option 6 (9, 9, 9, 9)

Estimated enrollment in Babylon Schools 2018-2019:

K	1	2	3	4	5	6	7	8	9	10	11	12	UG
100	93	110	118	121	112	102	132	125	123	133	138	145	7

High School Year 1 (9): 125 (135)
❖ @ $800 per device: $108,000

High School Year 2 (9): 132 (140)
❖ @ $800 per device: $112,000

High School Year 3 (9): 102 (110)
❖ @ $800 per device: $88,000

High School Year 4 (9): 112 (120)
❖ @ $800 per device: $96,000

Year 1 Costs for High School:	$108,000
Year 2 Costs for High School:	$112,000
Year 3 Costs for High School:	$88,000
Year 4 Costs for High School:	$96,000
Total Cost:	$404,000

Additional Information:

Office 365:
https://www.microsoft.com/en-us/education/products/office/default.aspx

New Research Highlights Most In-Demand Job Skills:
https://blogs.technet.microsoft.com/microsoft_in_education/2016/06/02/new-research-highlights-most-in-demand-job-skills/

Keys to the Future: Align Workforce Readiness Skills to Ensure Student Success:
https://msdnshared.blob.core.windows.net/media/2016/06/US41207816.pdf

Microsoft Surface Pro 4: (Public Store – Note Education)
https://www.microsoftstore.com/store/msusa/en_US/pdp/productID.5072641000&VID=5072771200

HP x360 310 G2 EE Convertible PC: (Public Store – Not Education)
http://store.hp.com/us/en/pdp/hp-x360-310-g2-convertible-pc-%28energy-star%29-y9g21ut-aba