



THE FUTURE OF LEARNING
EXPECT MORE, DO MORE
BE MORE

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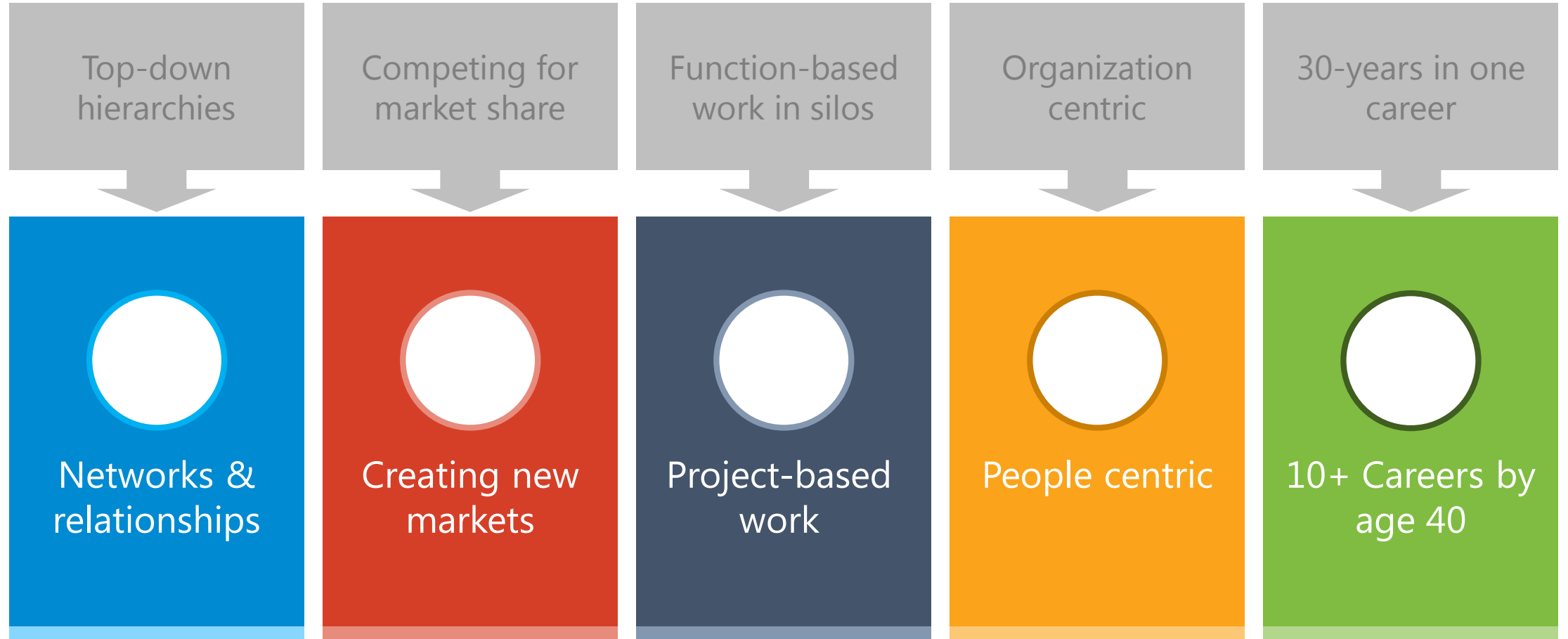
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EMPOWER EVERY STUDENT
ON THE PLANET TO
ACHIEVE MORE

THE WORLD OF WORK HAS CHANGED



5C SKILLS

Needed to be future-ready



COMMUNICATION



COLLABORATION



CRITICAL THINKING



CREATIVITY



**COMPUTATIONAL
THINKING**

14 MILLION

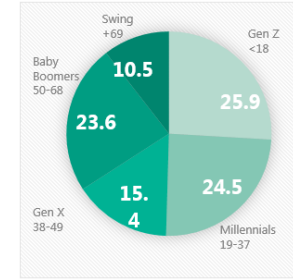
Estimated new jobs worldwide by 2015 due to spending on public and private IT cloud services.

IDC | Cloud Computing's Role in Job Creation, March 2012

CODE CAMPS
MAKER MOVEMENT
INCREASING IN GEOS
GAMIFICATION
AN INCREASING PRIORITY
IN STEM AGENDAS

GENERATION Z

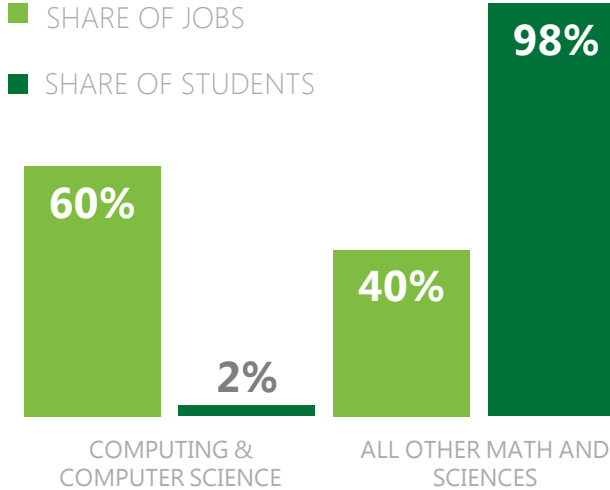
26% of population under age 18



THERE IS A WIDENING
SKILLS GAP
AS FEWER COLLEGE STUDENTS
GRADUATE WITH A DEGREE IN
COMPUTER SCIENCE

■ SHARE OF JOBS

■ SHARE OF STUDENTS

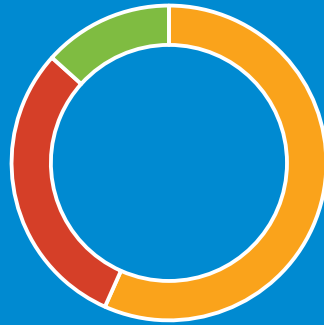


BY 2022 THERE WILL BE

6.2M

JOB OPENINGS

IN CLOUD-BASED TECHNOLOGIES



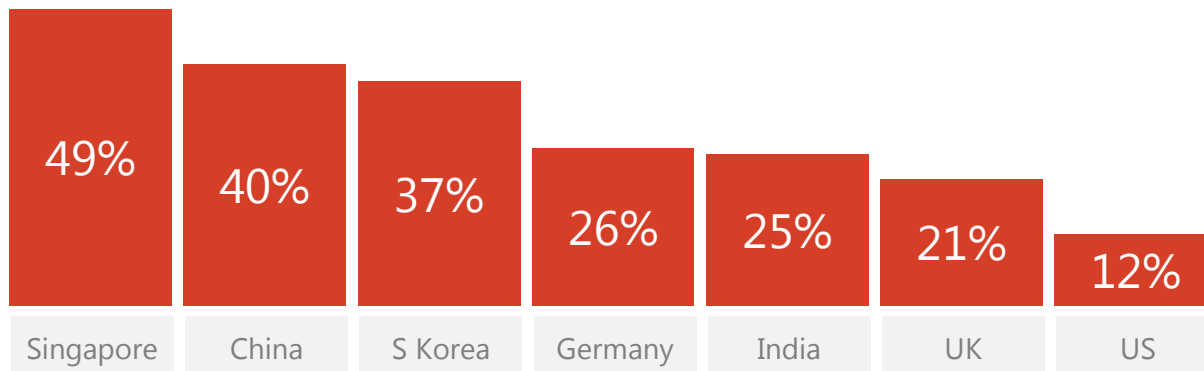
51% COMPUTING

27% ENGINEERING

18% OTHERS



STEM DEGREES AS A PERCENTAGE OF ALL 2011



THE GLOBAL STEM RACE
COMPUTER SCIENCE

COMPUTER SCIENCE GRADUATES 2015





MINECRAFT

Make more. Learn more.

もっと作って、もっと学ぼう

THE SHIFT

Transforming education to meet 21st century needs



**PROJECT-BASED
LEARNING**



**FLIPPED
CLASSROOM**



**COOPERATIVE
LEARNING**



PERSONALIZATION



Teacher-led classrooms



Traditional classrooms



Individual learning

YOU

Individualization

HAVE WE SEEN HOLISTIC TRANSFORMATION





WHEN APPLIED THOUGHTFULLY, TECHNOLOGY EMPOWERS US TO MAKE THE MOST OF EVERY

LEARNING OPPORTUNITY



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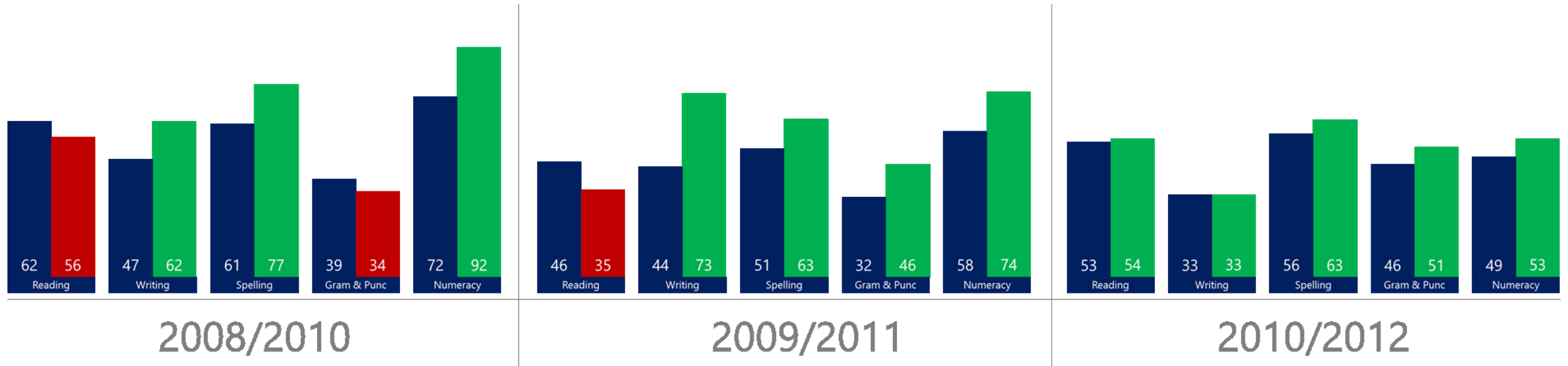


CASE STUDY: VARSITY COLLEGE, AUSTRALIA

1:1 LEARNING SINCE 2007

LEARNING OUTCOMES GROWTH YEARS 5-7

National Assessment Plan Scores*

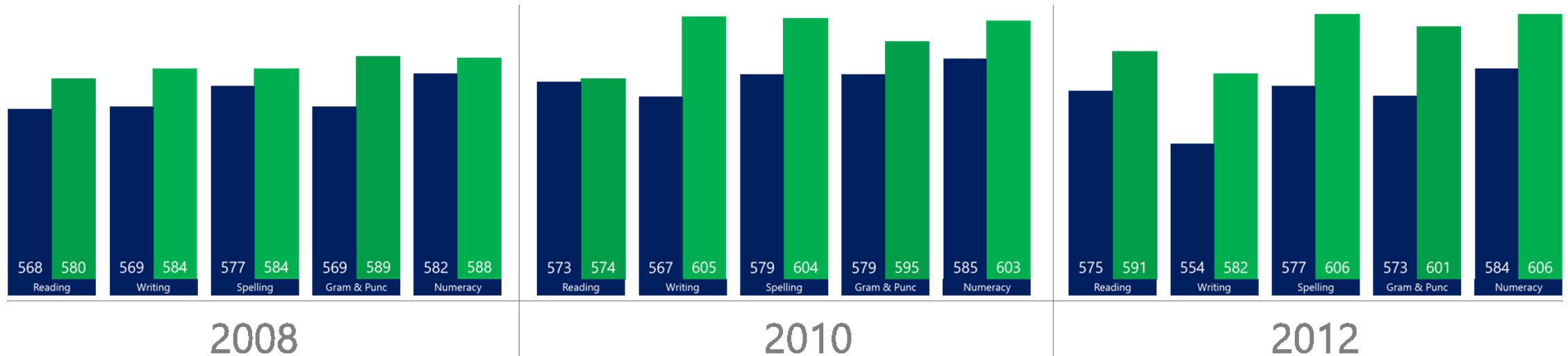


- National Growth
- Varsity Below National
- Varsity Exceed National

*Queensland State students are measured one year earlier than national standard

NATIONAL ASSESSMENT SCORES YEAR 9*

Varsity College versus national averages

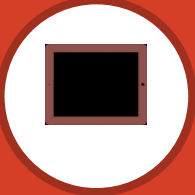


■ National Average Score
■ Varsity Score

*Queensland State students are measured one year earlier than national standard


THE RIGHT DEVICE FOR EVERY CHILD

Delivering the necessary computing capability for the learning journey




P1-3

Apps-based slate device



P4-6

Laptop PC

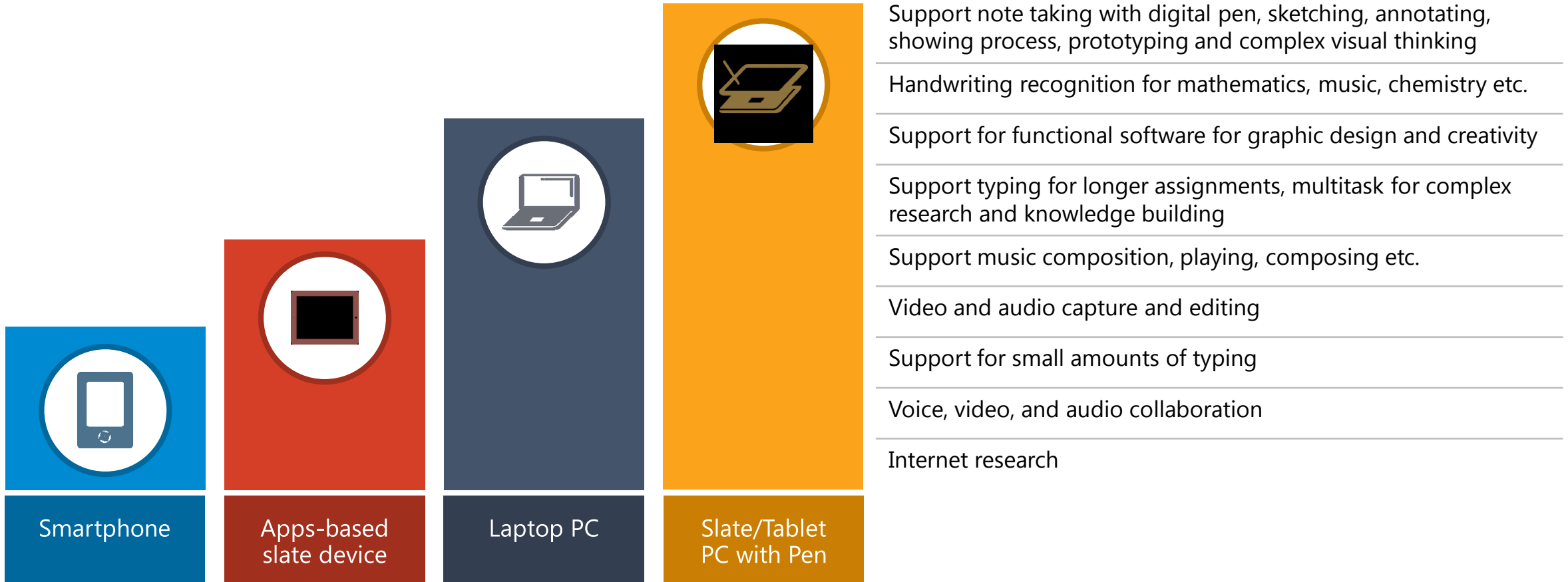


P7-9

Slate/Tablet PC with Pen

COMPUTING CAPABILITY

Pedagogical potential of hardware for today's learning environment



TODAY'S STUDENTS AND EDUCATORS DESERVE AND DEMAND THE VERY BEST

MODERN LEARNING TOOLS



PRODUCTIVE

INTELLIGENT

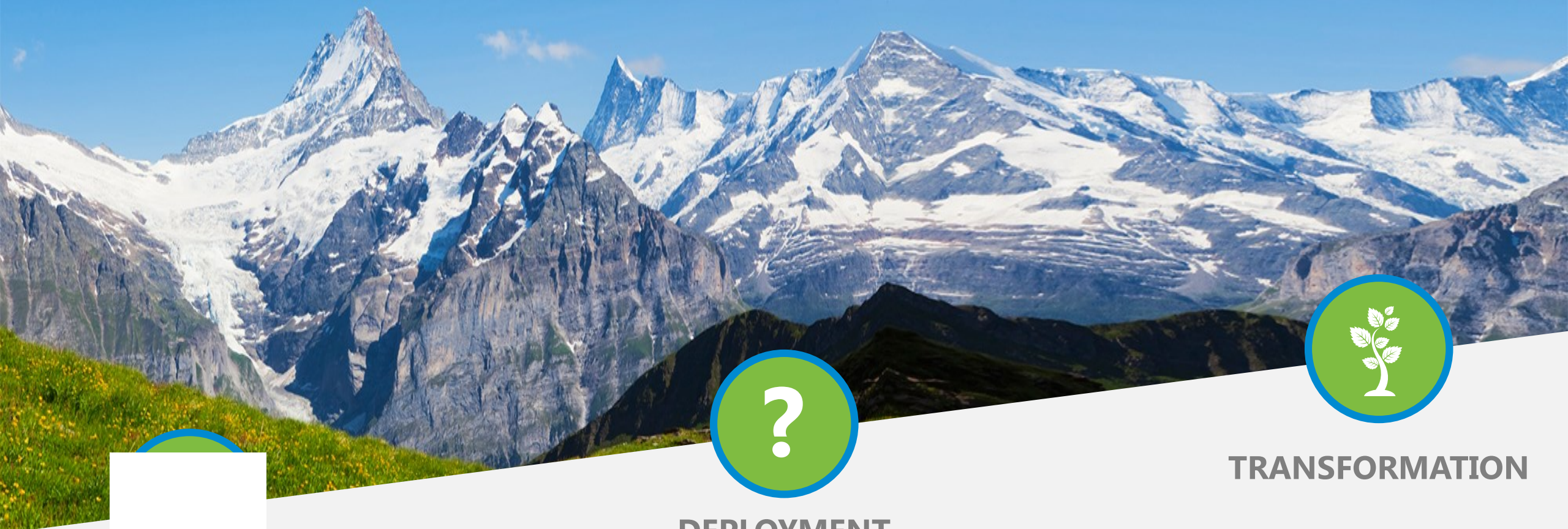
PERSONAL



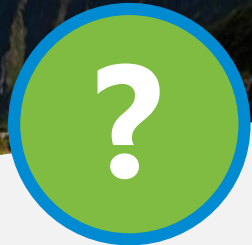
SUCCESSFUL TRANSFORMATION

The key elements for success are the teachers, school leaders, and other decision makers who have the vision, and the ability, to make the connection between students, computers and learning.

-OECD 2015



**ACCESS
ASPIRATION**



**DEPLOYMENT
DILEMMAS**



TRANSFORMATION

THE JOURNEY

| To education transformation



WHERE IS YOUR MOUNTAIN TOP

LESSONS LEARNED

1

Start with
leaders

2

Leverage process
to drive plan

3

Inside/out

4

Set expectations
for all

5

Innovate first
automate after

6

Use devices
thoughtfully

7

Rethink class
Reinvent school

8

Parents play a
key part

9

Use data to drive
key decisions

10

Celebrate
teachers

Mansoura College International School



Özel dünya koleji



Vizyon Koleji

Saint Fatima International School



Şehit Polis Volkan Sabaz İlkokulu

Port Said International Schools



Bahçeşehir Koleji

Dar El Tarbiah School



The Westminster School, Dubai

Lycée français du Caire



Al Amal school for the deaf

Riad Al Andalous



Gems Wellington Academy Silicon Oasis

L'école internationale les Alizés



Princess Haya bint Alhussain School

Grace Schools



AL Ghob School for basic education Cycle 2

Children's International School



BetaSefer



Mashrek International School

Vivian Fowler Memorial College for girls



Shimoni school



Antonine international school

Groupe Scolaire La Pointe des Almadies



Weitzmann School Beit Yeshua

SARM State Secondary School



Westlands primary school



SHOWCASE SCHOOLS

MIDDLE EAST & AFRICA



Mary mount secondary school



Maralal Primary School



St Stithians College



St Mary's Diocesan School for Girls, Pretoria

