Surface in Education: Design and Implementation process
How 1:1 is used in the classroom

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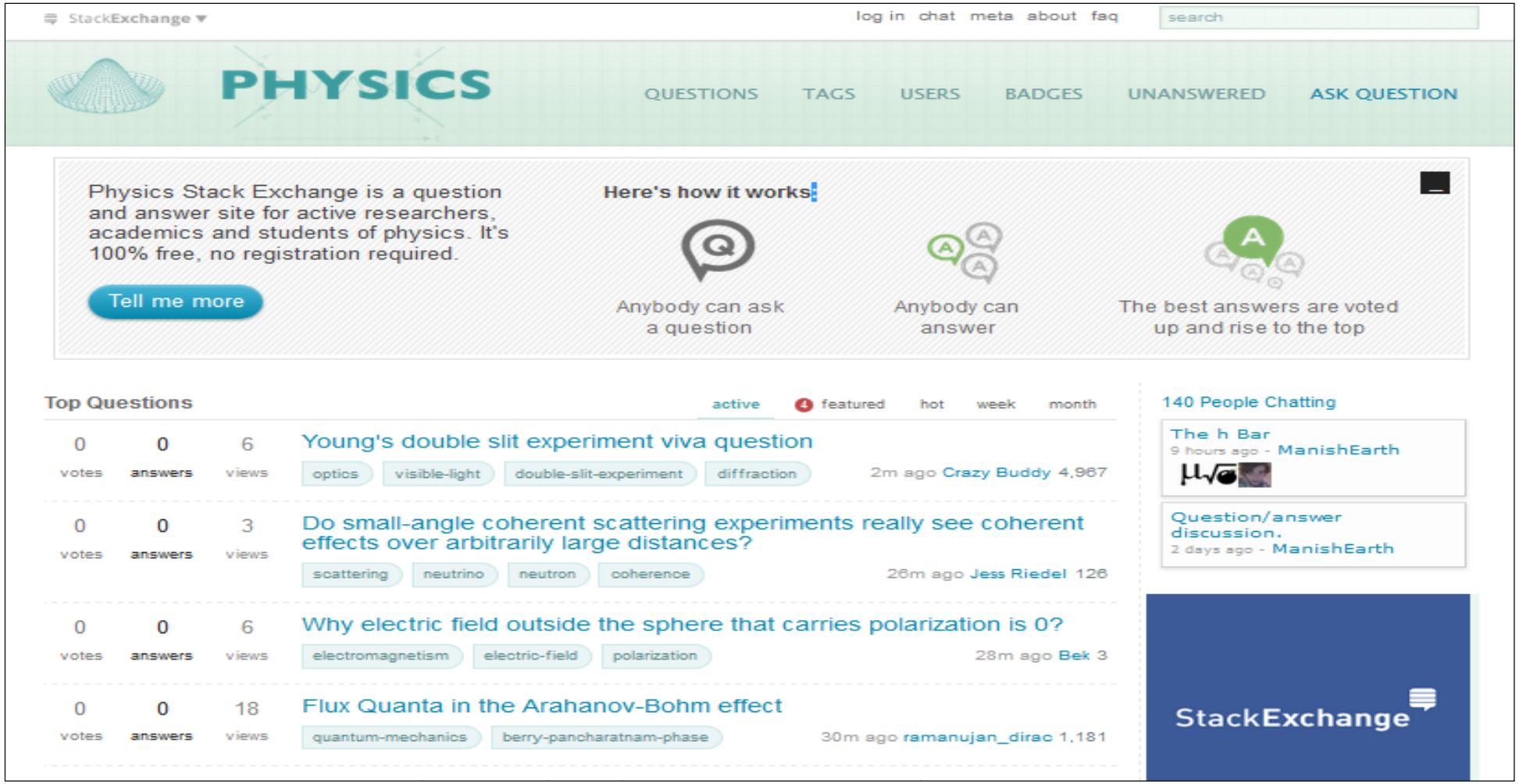
Professional Development

Microsoft in Education
Microsoft Showcase Schools

What are our expectations for what technology makes possible for modern learners?

sunrise
sunrise
sunrise
sunrise
sunrise

Self-directed learning.



A closer look at a modern learner in action...

Our Modern Learners….

..are **Social Learners…**

They believe strongly in the value of relationships

..are **Self-directed**

They want to shape their own destiny

..and they are **Inquiry-based**

They are curious

Information today is…

Open

Distributed

Scalable

Social

Generative

Networked

Self-organized

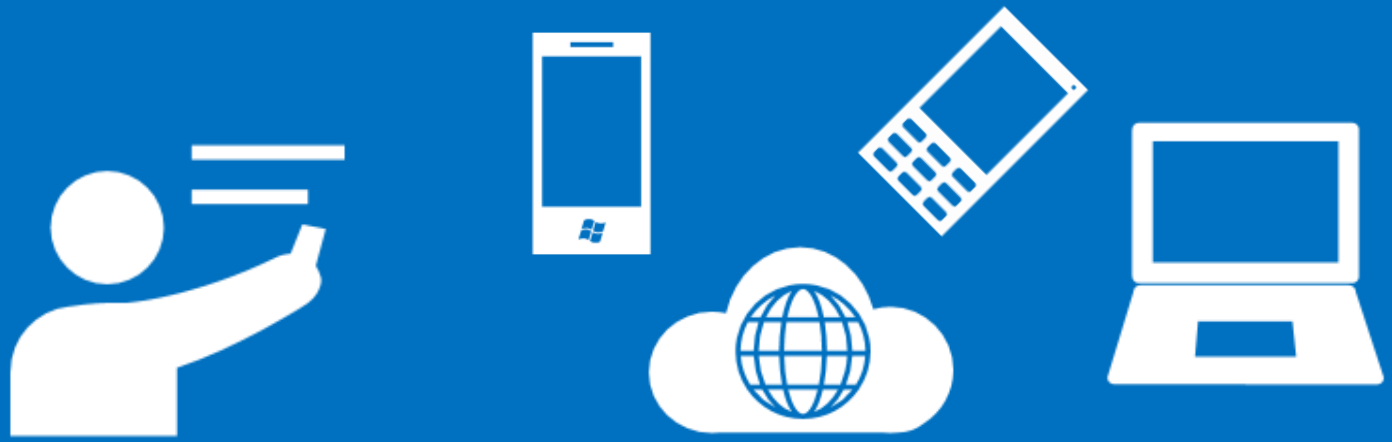
Adaptive

Global

Are we locking our students potential up inside our 20th Century concepts of curriculum?

What
How
Where
When

students are learning is changing



Statistics on 21 Century Students Framework

81% of teachers believe tablets enrich classroom learning

1:5 students have used a mobile app to keep their coursework organized.

86% of students believe that they study more efficiently with tablets.

59% of students would like to use their mobile device to enhance learning.

6 in 10 students use digital textbooks (e-textbook market increase **25%**)

32% of teachers use social media for coursework.

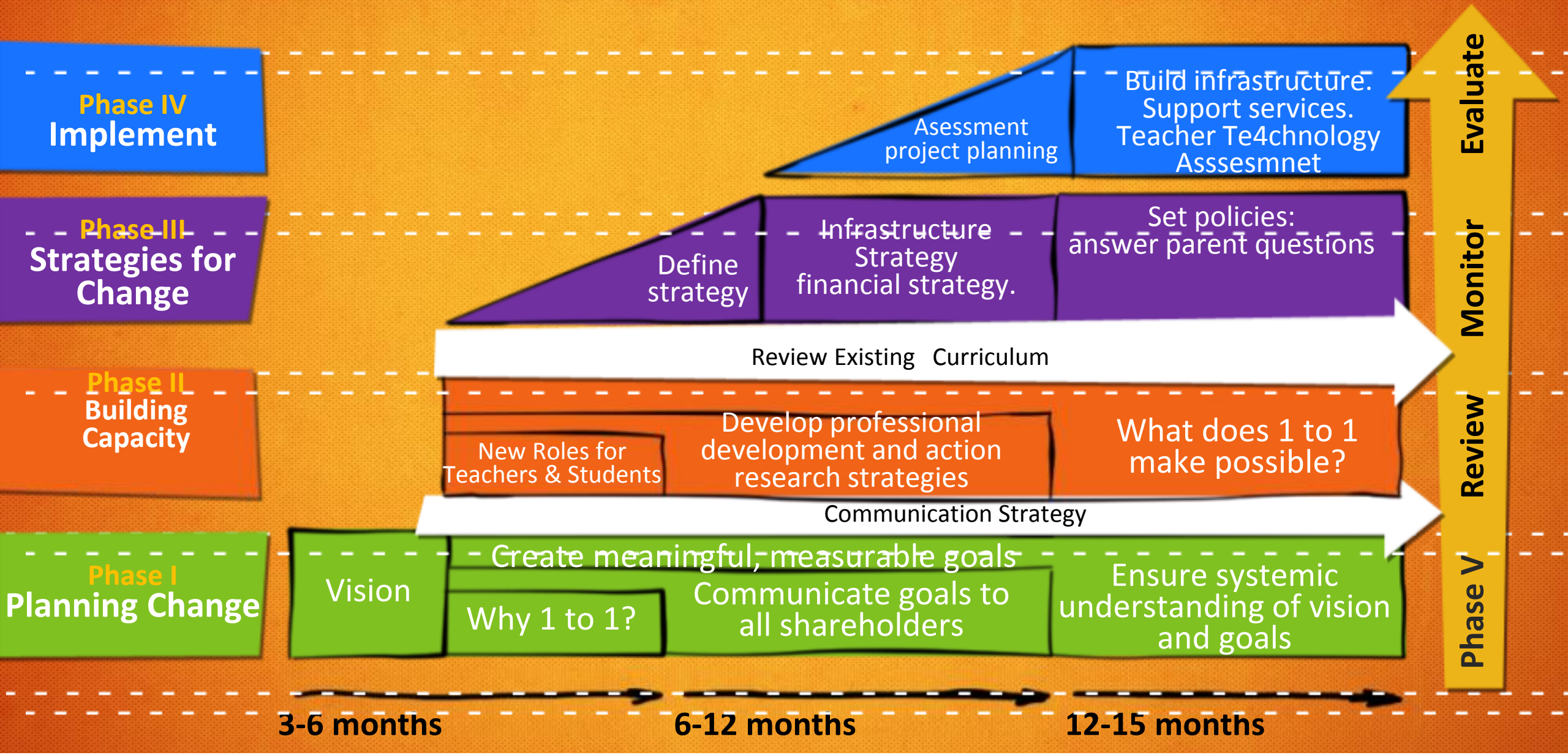
http://www.p21.org/our-work/p21-framework

Provide Innovative Education
Supporting our Teachers
Inspiring our Students
Empowering our School

1:1 Microsoft Surface Tablet Initiative Program

Design and Implementation Phases of 1:1 Microsoft Surface Tablet

Design & Implementation Phases

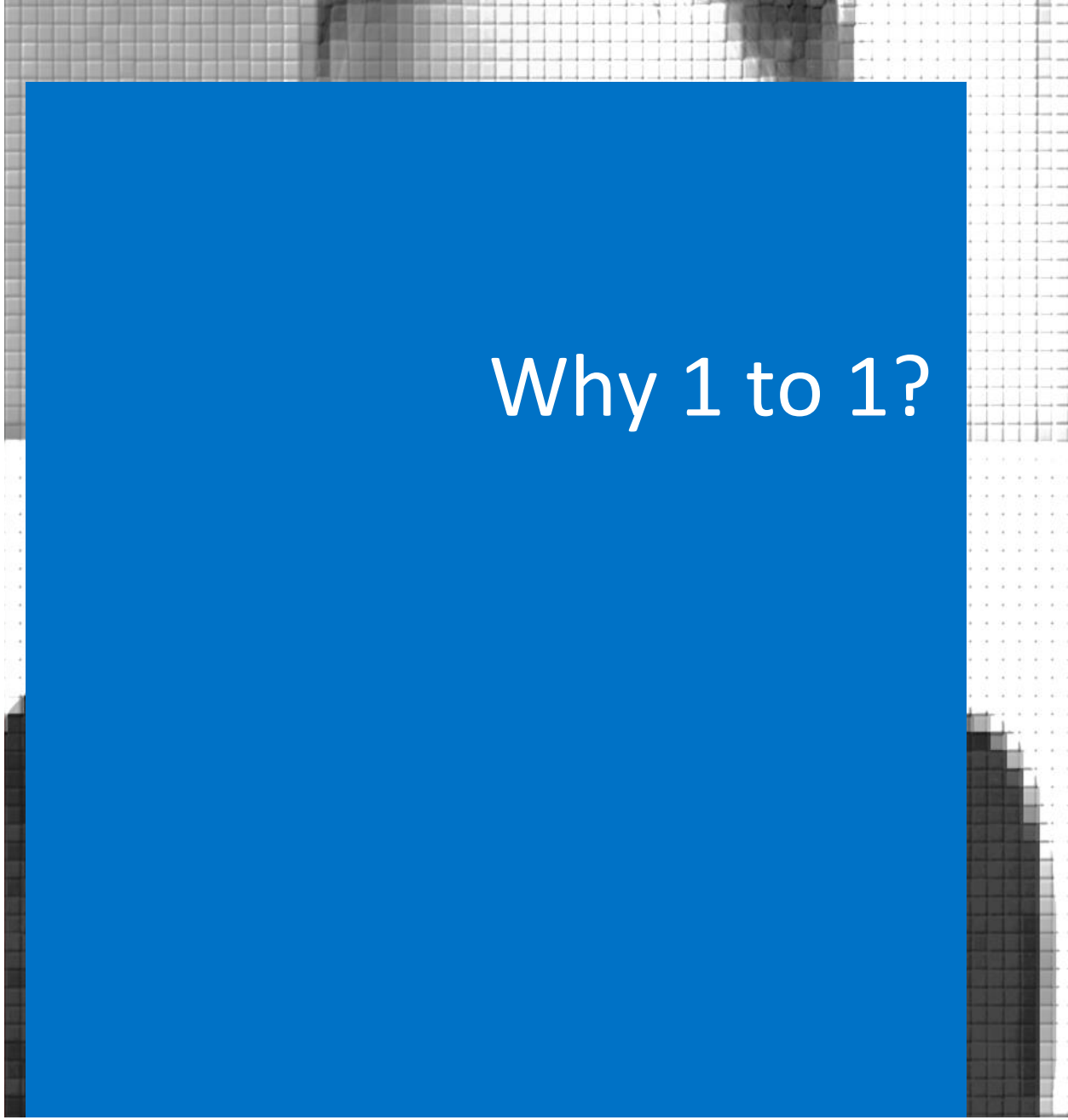


PHASE I Planning Change

Create objectives

Clarify Goals, Expectations, and Policy Priorities

Define VISION



VISION

1. 21st Century Learning (collaboration, creation, communication)
2. Future economic growth
3. Personalized learning for our students
4. Learning beyond school
5. Expand pedagogical opportunities
6. Self-directed learners

Objectives

- Use Tablet Surface as a tool, not as a means by itself.
- Teach more creatively and more collaboratively.
- Provide a solid digital literacy to our students.
- Students take responsibility for their own learning

PHASE II Building Capacity

Create Action Research Strategy

Develop Professional development

Define Student Teacher Roles

What does 1 to 1 Make possible ?

Teachers Professional Development

- Ensure teaching professional development is ongoing
- Established online learning communities
- Provide Technology training , workshops.
- Provide support for individual departments' needs

Student skill

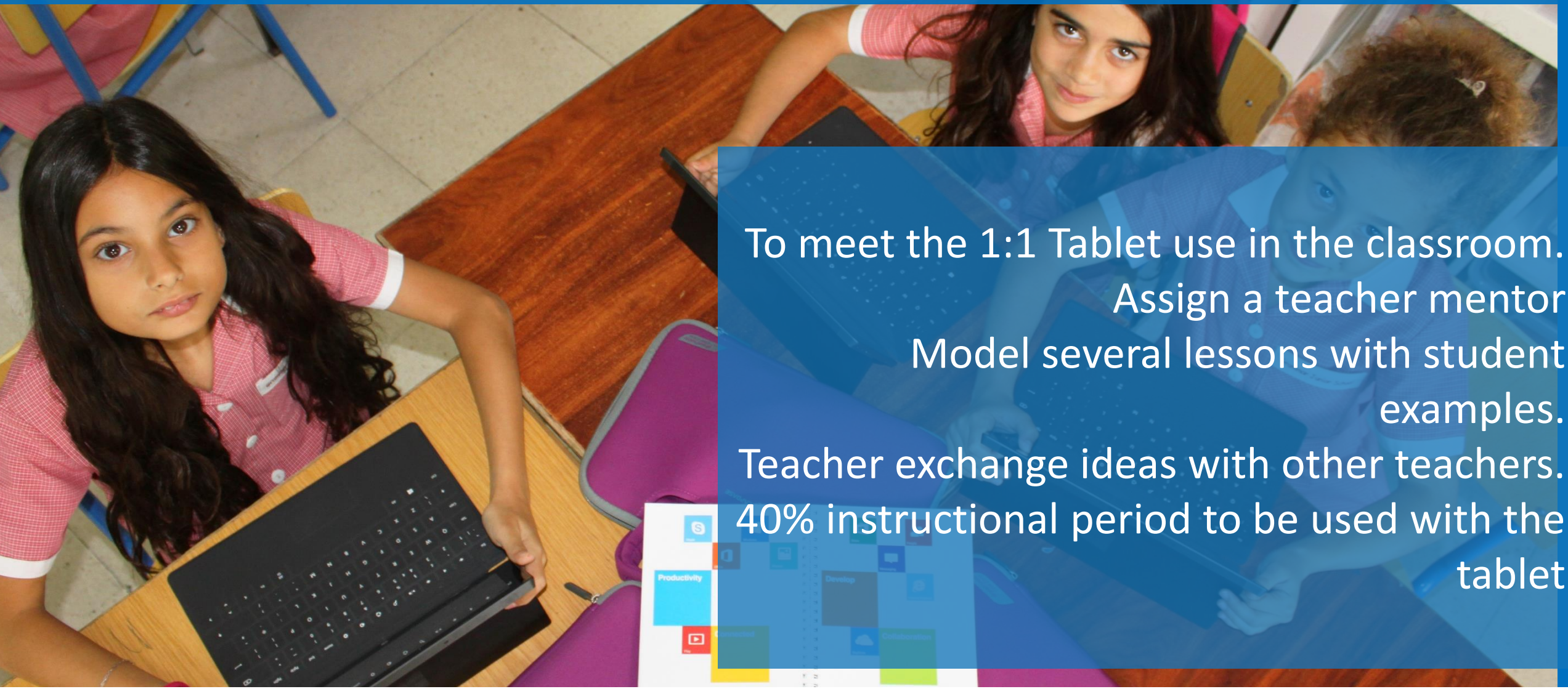
Operation Care and maintenance of the tablets

Managing files

Classroom tools such as website

Online safety awareness

Review Existing Curriculum



To meet the 1:1 Tablet use in the classroom.
Assign a teacher mentor
Model several lessons with student examples.
Teacher exchange ideas with other teachers.
40% instructional period to be used with the tablet

PHASE III Strategies Change

Define Strategy

Infrastructure & Financial Strategy

Involve Parents

Set Policies

Microsoft Surface Tablet RT

Operating System: Microsoft Windows RT

Processor: NVIDIA Tegra 3

Memory: 2GB RAM

Flash Memory: 32 GB Integrated

Screen: 10.6 in,Color TFT active matrix Touch Display

Resolution: 1366 x 768

Keyboard: Detachable keyboard

Battery: 31.5 Wh 8Hours

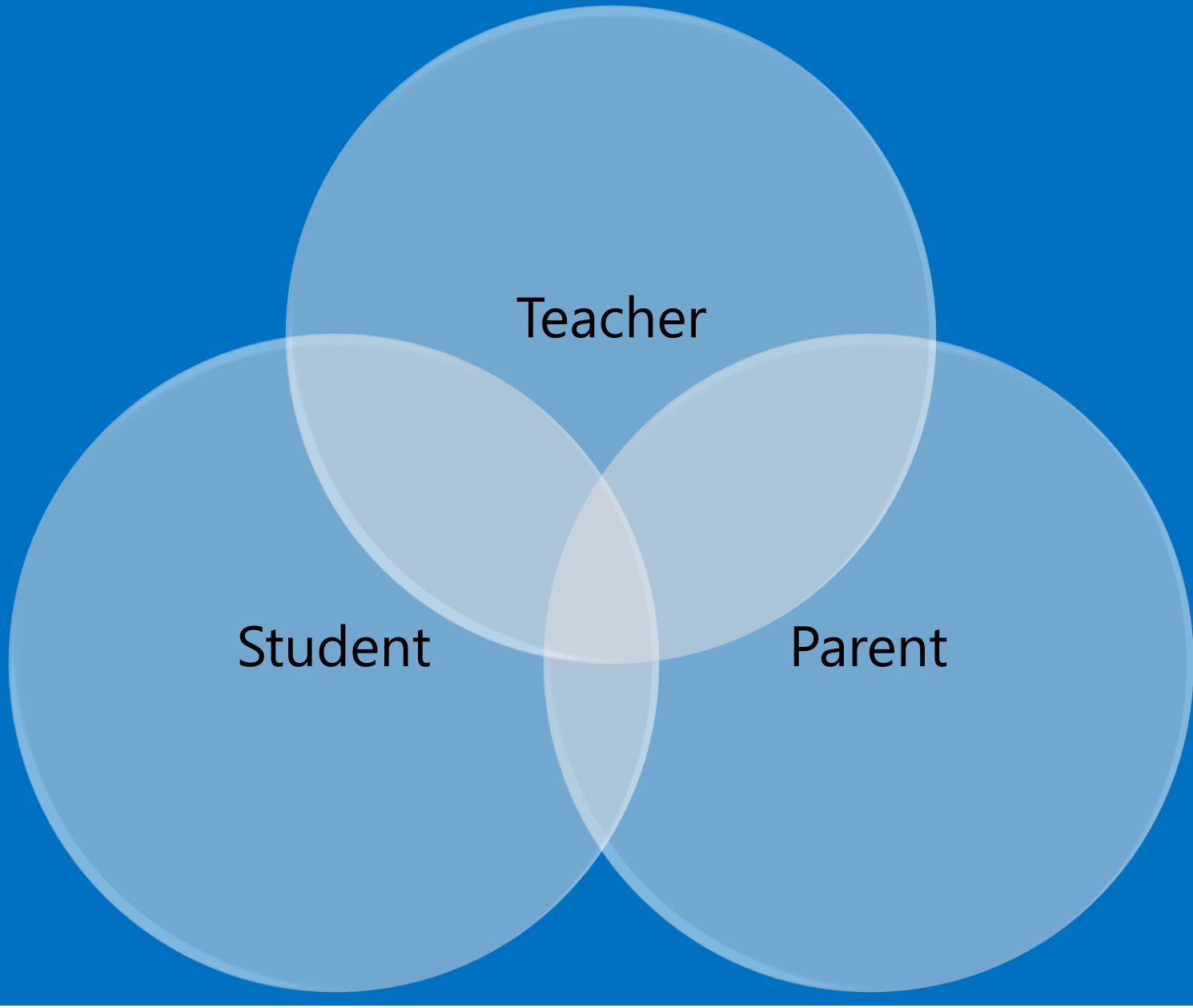
Bluetooth: Bluetooth 4.0,
802.11 a/b/g/n

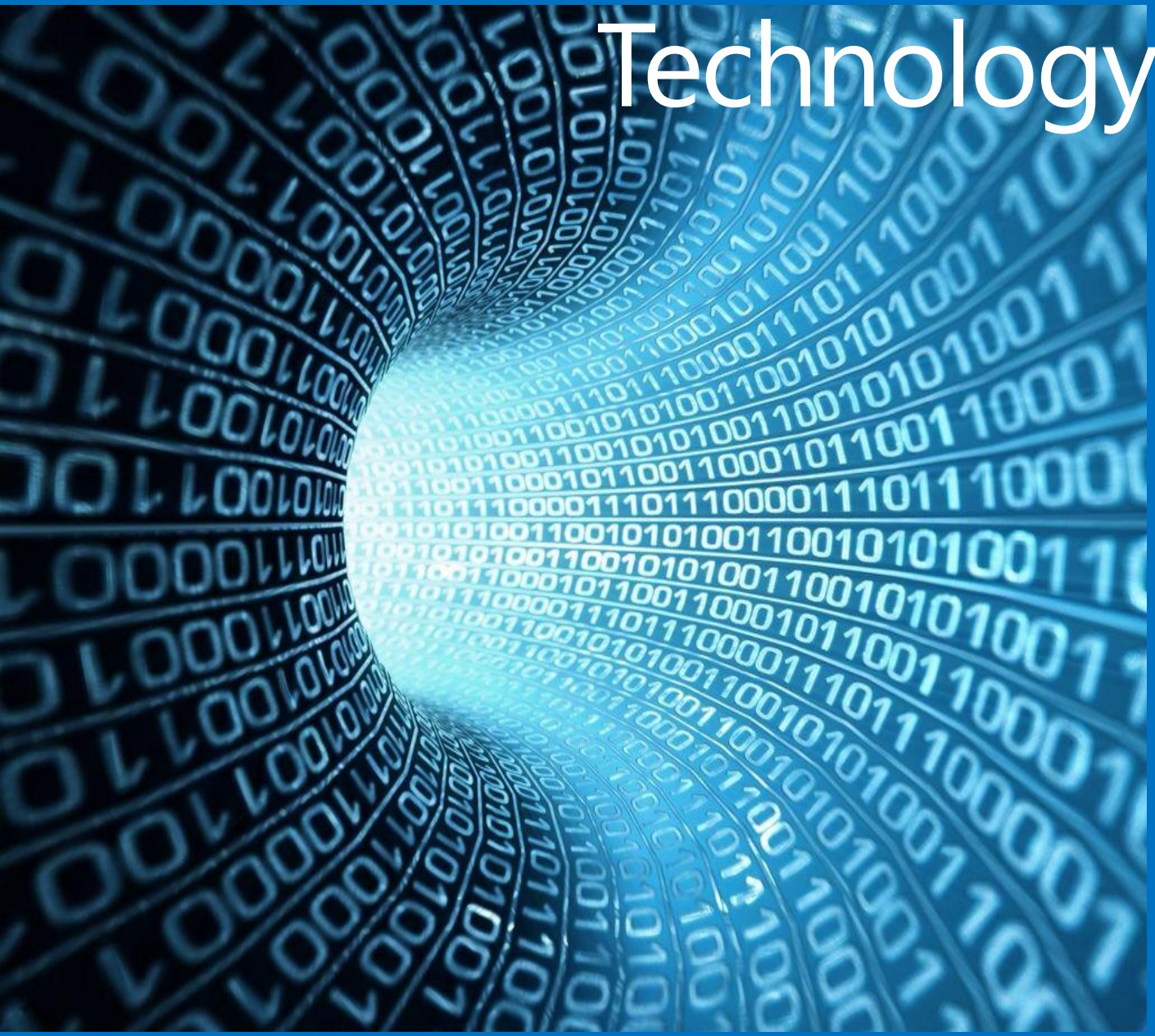
Cameras and A/V: Two 720p HD LifeCams, front- and rear-facing. Two microphones, Stereo speakers

Ports: Full-size USB 2.0, microSDXC card slot, Headset jack, HD video out port, Cover port

Limited Warranty: 2-Year Warranty Stephanis

The evolution of the 1:1 learning environment...





Technology Infrastructure

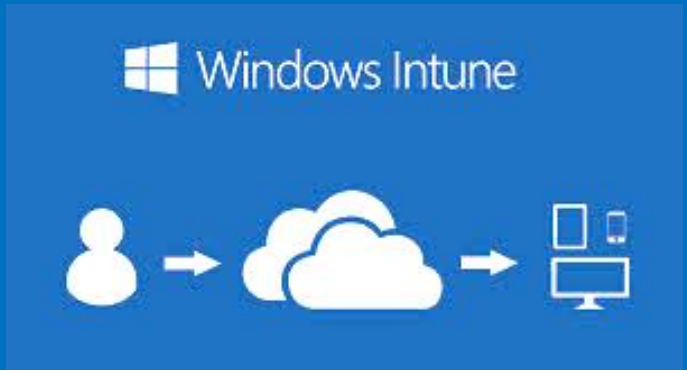
Wireless Connectivity

IT Help Desk

Device Management Software

School Safety Guidelines

- Firewall security on the network
- Antivirus
- Activity Report
- Restriction Report
- App Restrictions
- Requests from Help Desk



Privacy and Security

Parents Deliverables

Parents sign the Tablet Contract Agreement.

Use of Technology Resource School Policy.

Help Desk contact info.

Providing Innovative Education

Empowering our School

Supporting our Teachers

Inspiring our Students

Technology is a catalyst for students to enrich their productiveness to enhance collaboration and take control of their own learning

The Grammar School Nicosia

The Grammar Junior School

The Grammar Institute

The Ioannis & Iro GREGORIOU FOUNDATION

Innovative Lessons

Reorganization

Blended Learning

Interactivity

Information Gathered

Uploading

Research

Collaboration

Video Recorder

Processing

Critical Thinking

Problem Solving

Explain New Knowledge

FUNecole©

Class 1 and Class 2

FUNecole® supports pupils to behave, perform act under challenging conditions and striving towards…

- Strategic reasoning,
- Perseverance,
- Insightfulness,
- Creativity…

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FUNecole

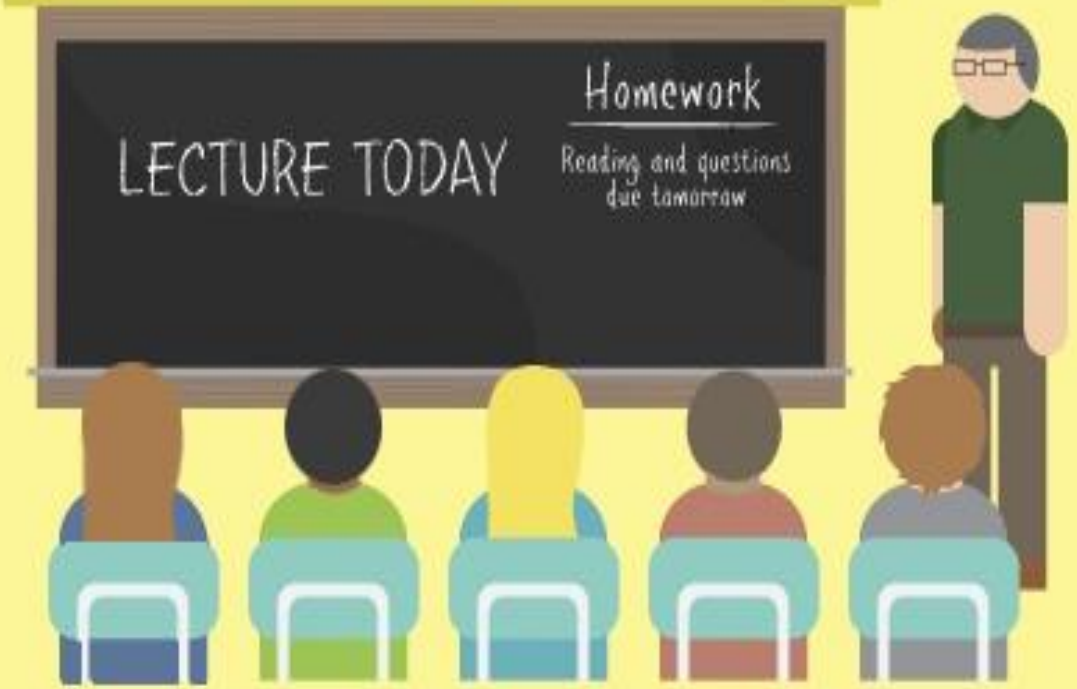
Open your minds:
Let's start learning.

The Grammar Junior School

THE INVERSION

The Traditional Classroom

Teacher's Role: Sage on the Stage



The Flipped Classroom

Teacher's Role: Guide on the Side

WHAT A FLIPPED CLASSROOM MODEL DOES