

SMART Schools

Trends and Achievements



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I. INTRODUCTION

The background is a deep blue gradient. At the top, there are several thick, glowing, wavy lines that curve across the frame. In the lower half, there is a grid of small, glowing blue squares, some of which are slightly brighter than others, creating a digital or data-like pattern. The overall aesthetic is futuristic and technological.

Past School vs. Present School

Industrialized Society

Knowledge based society

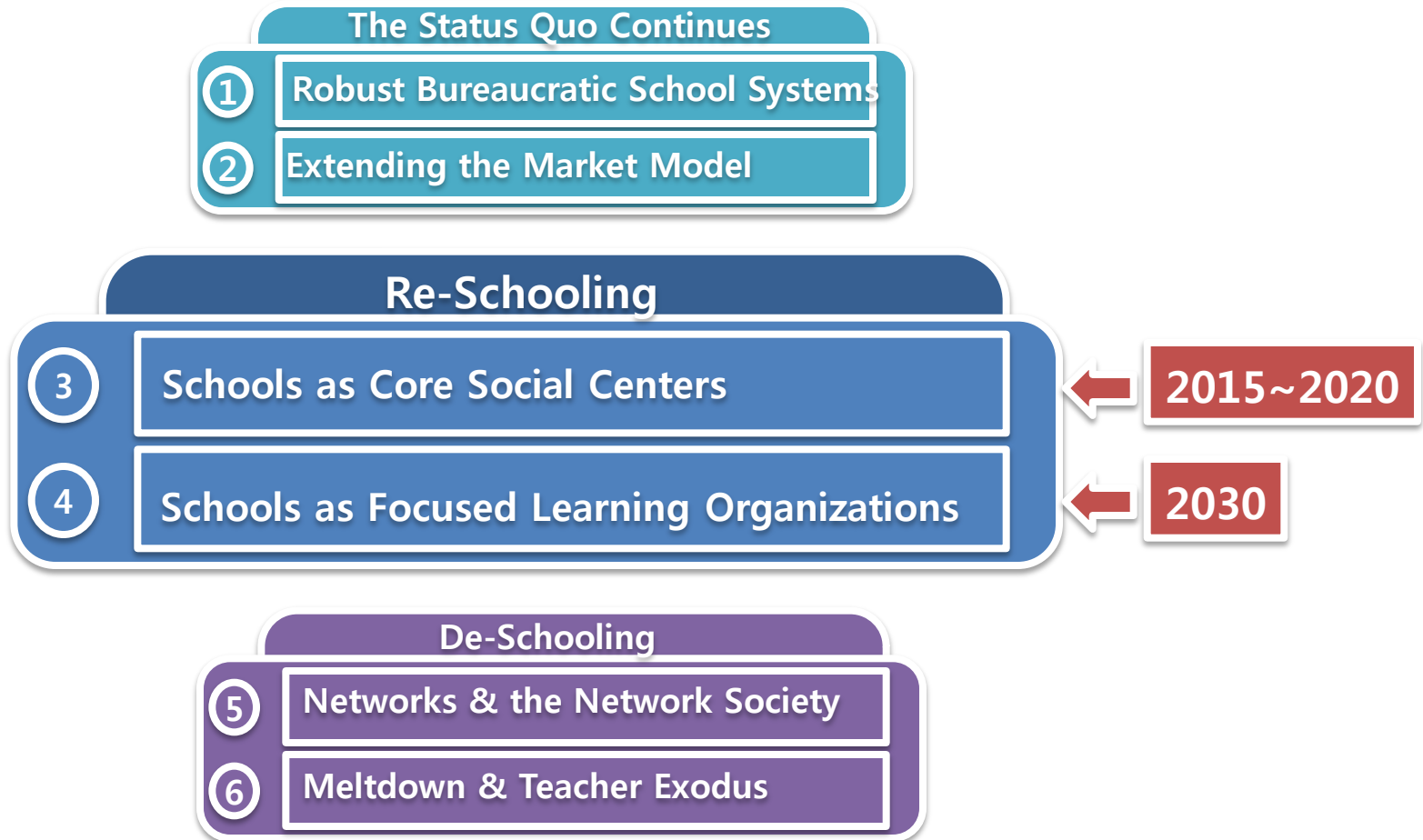


Standardized
Schooling

???

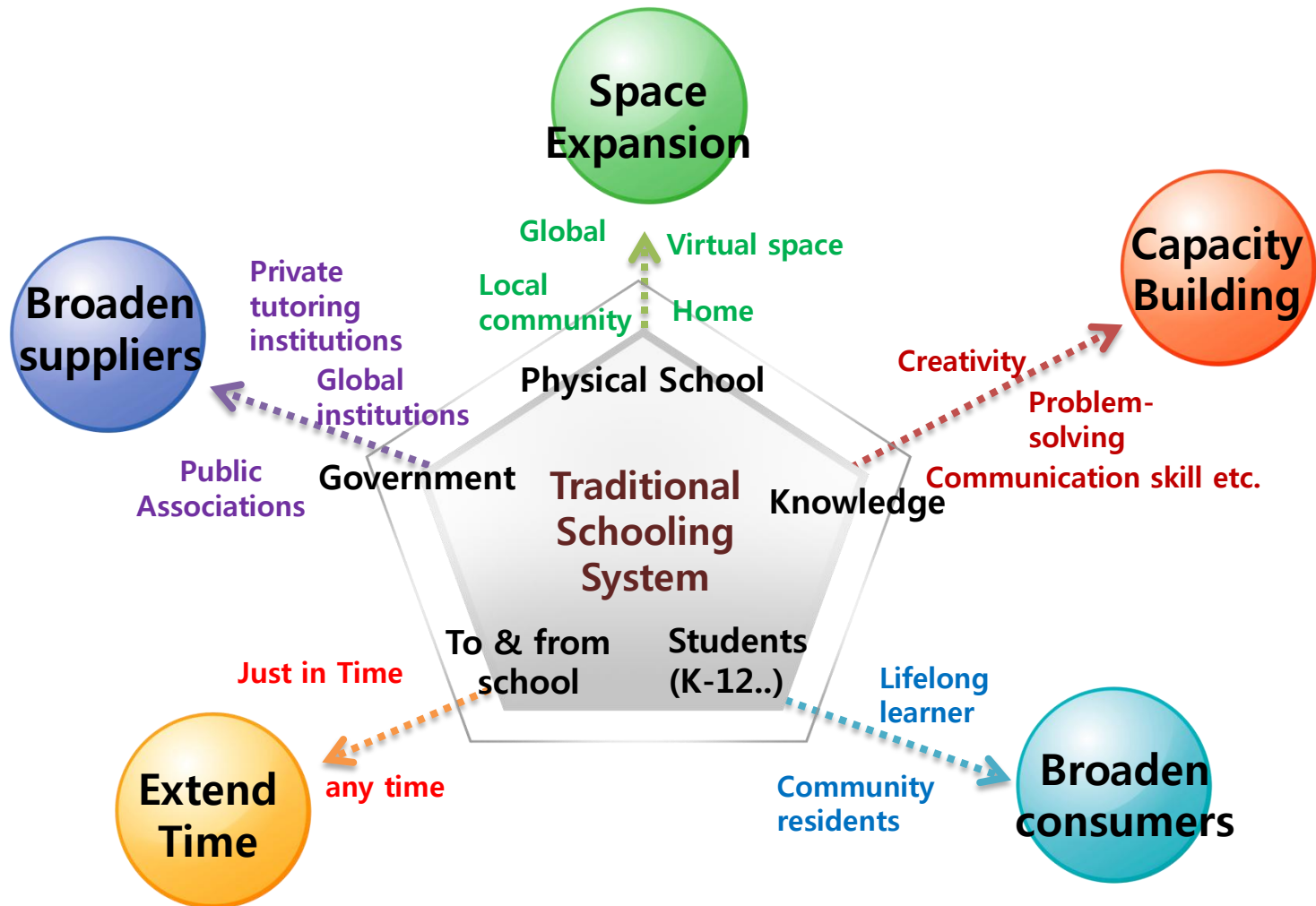
Prediction Future School(1)

Forecast of the Future Schooling System



Prediction of Future School(2)

Paradigm Shifts of the Schooling System



Prediction of Future School(3)



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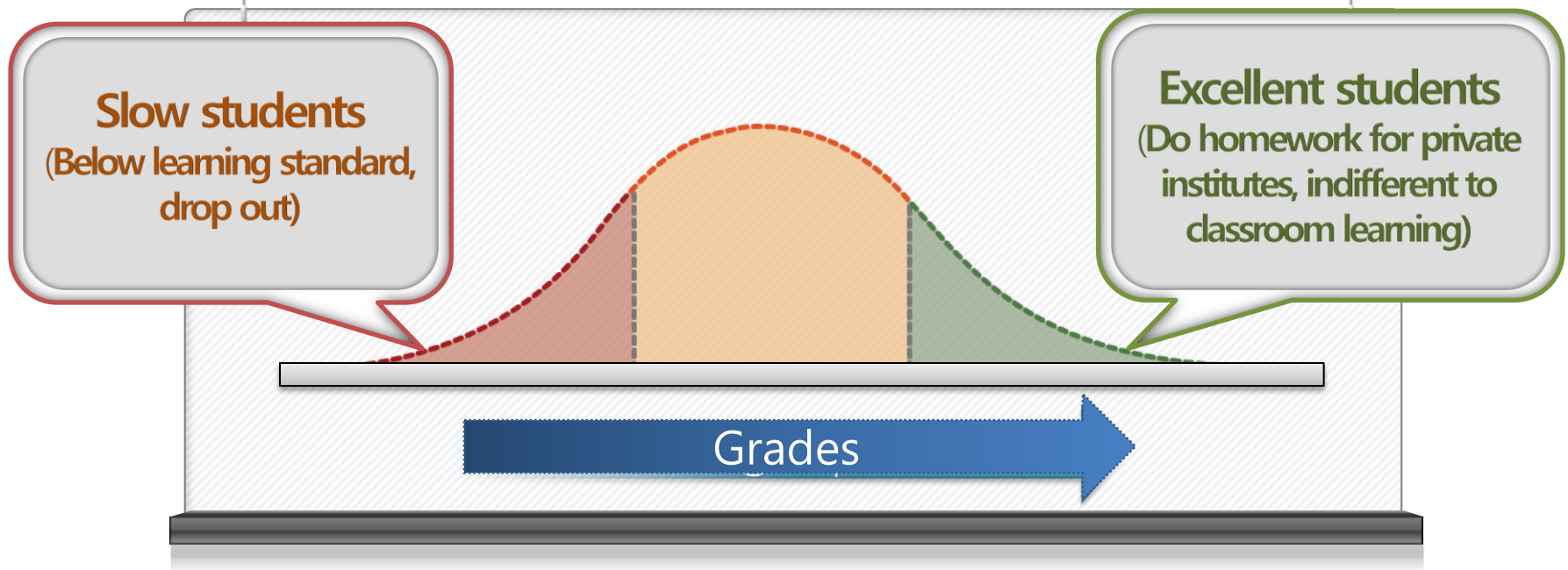
A video player control bar with a progress slider at 00:00:56. It includes standard playback controls: back, play/pause, stop, and forward. There is also a volume icon and a 79% volume level indicator. The video progress is shown as 00:01:01 / 00:03:44. On the right side, there are icons for HDR, a full screen icon, and a settings menu icon.

II. TREND OF SMART SCHOOL

The background is a deep blue gradient. At the top, there are several glowing, wavy lines that curve across the frame. In the lower half, there is a grid of small, glowing blue squares, some of which are slightly brighter than others, creating a digital or data-like pattern. The overall aesthetic is clean, modern, and high-tech.

Background of introduction of SMART School

Much More Students Dissatisfied with Education



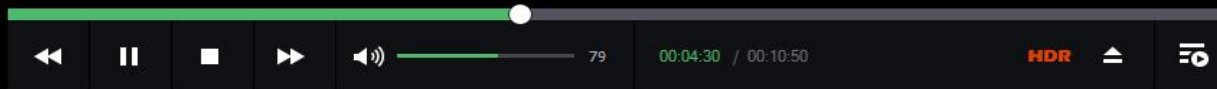
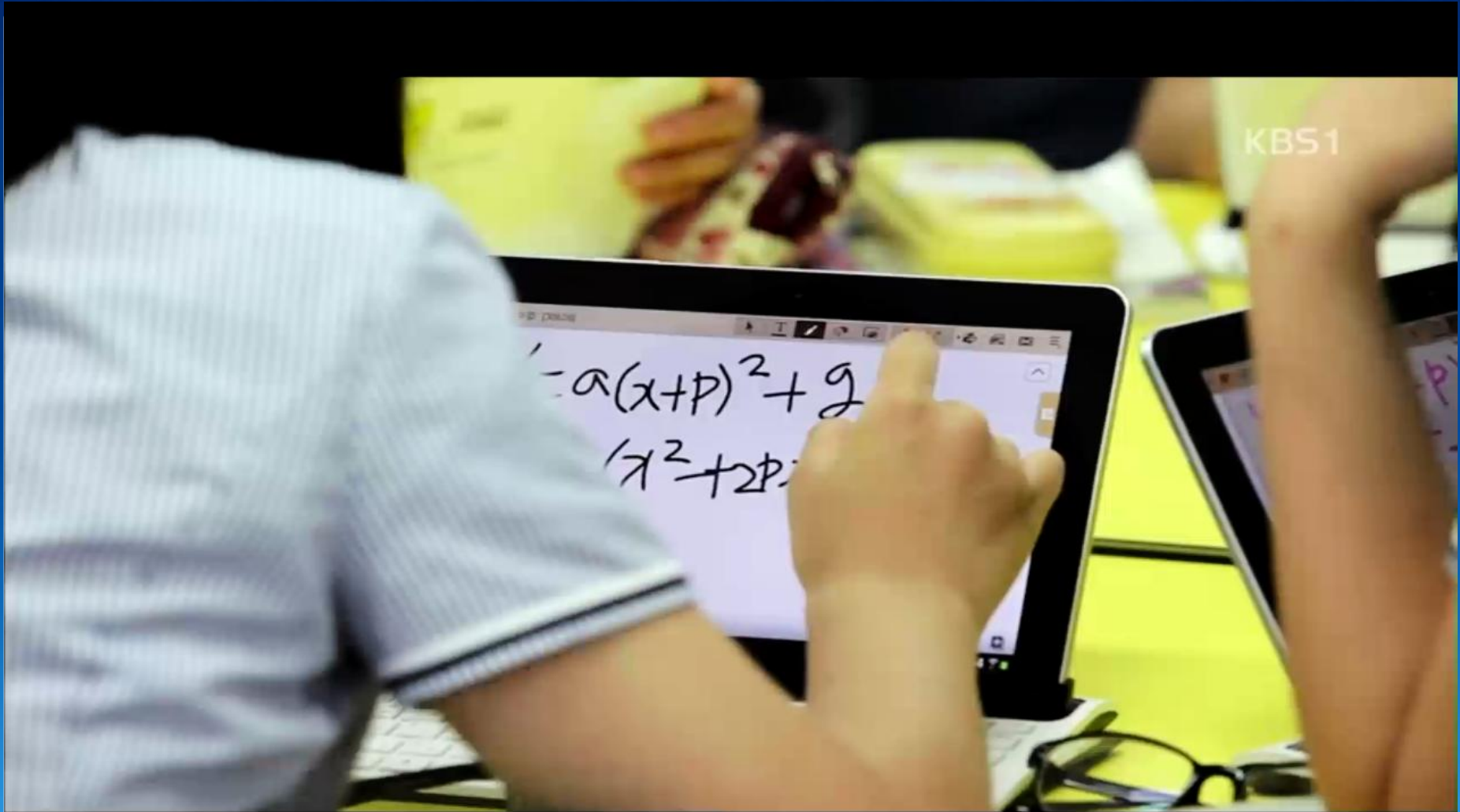
Direction of introduction of SMART School

To facilitate **communication, interaction and collaboration** among students, resources, and students anywhere anytime

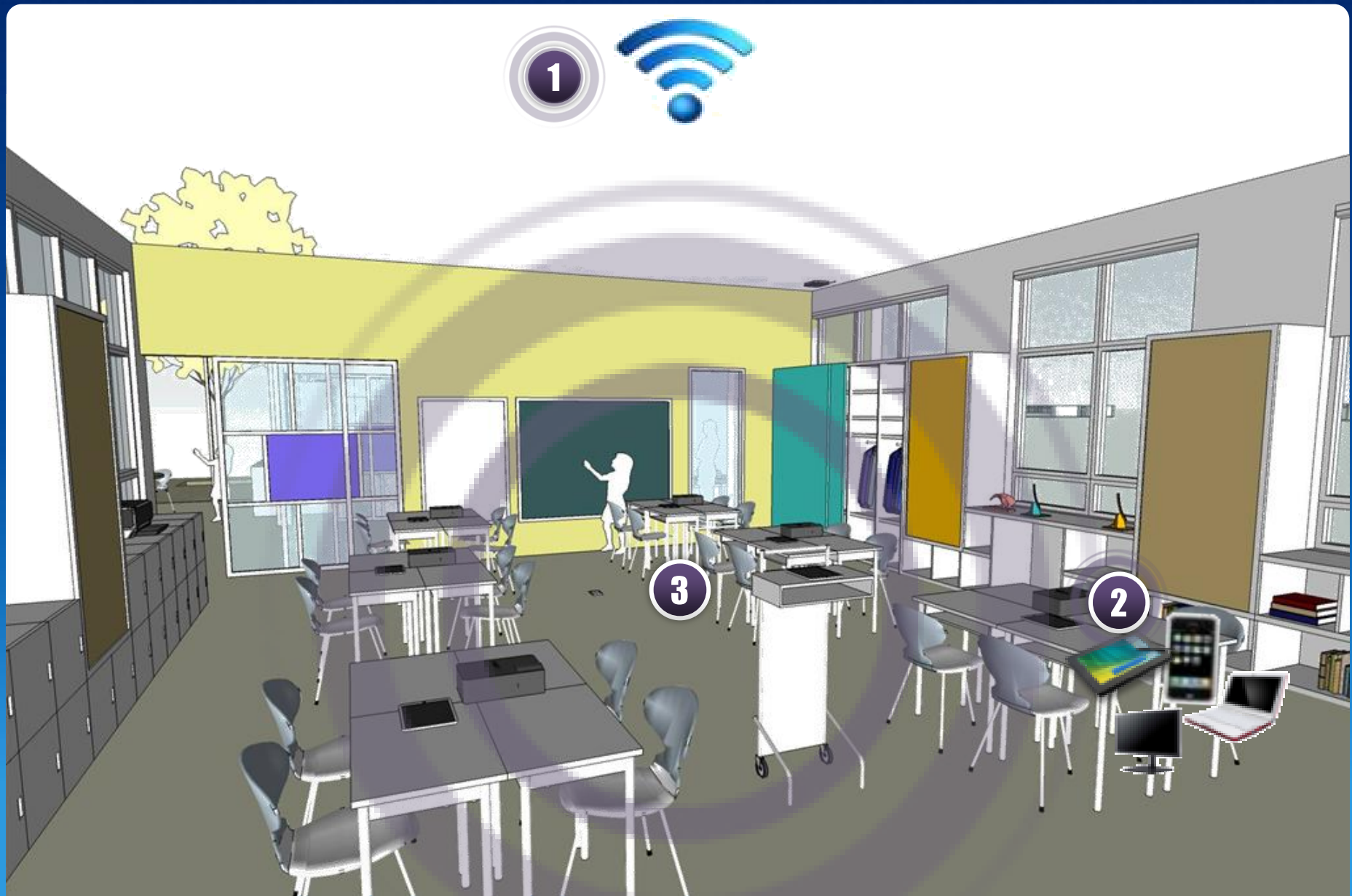
To equips a **systematic diagnostic-prescriptive system** for student competencies by providing personalized feedback

To provide **intelligent educational administrative system and security system**

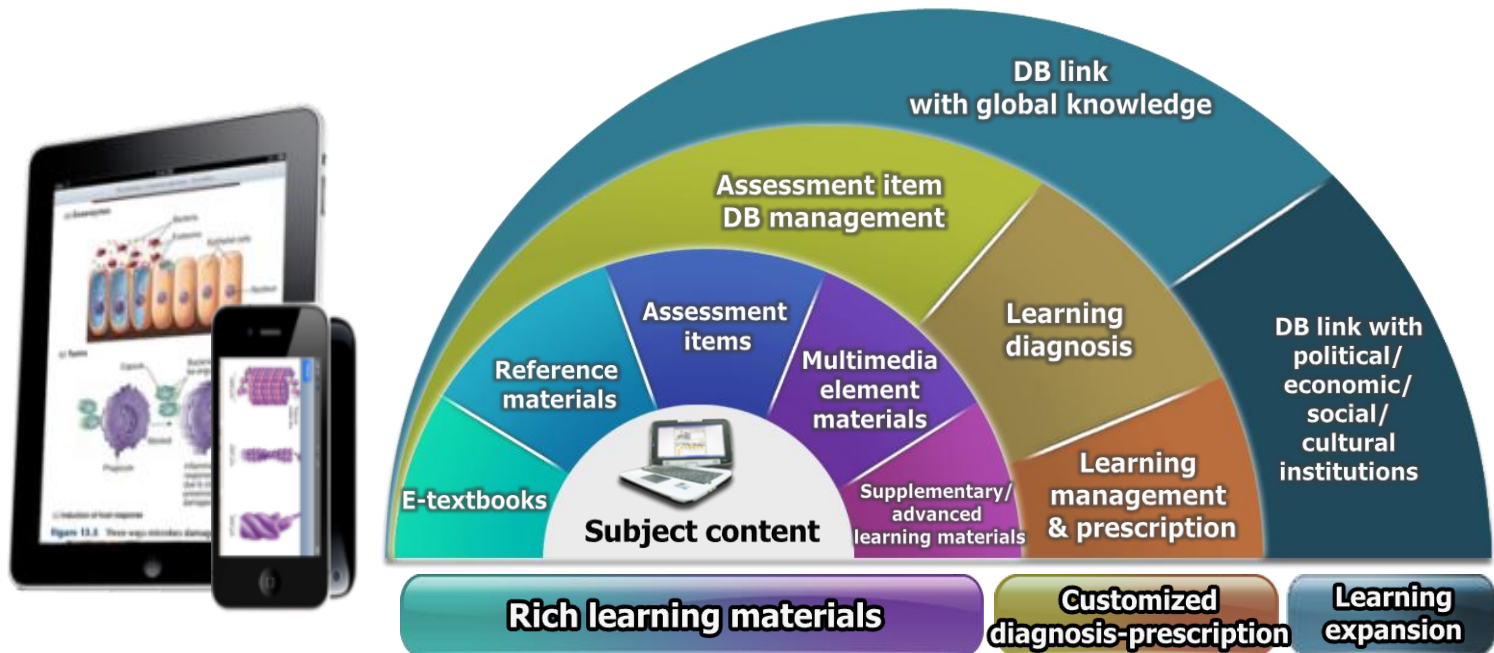
Case Study : Yulha Middle School



Implementation of SMART School(1)



Implementation of SMART School(2)



What is a Digital Textbook?

- Teaching and learning materials containing kinds of the latest information
- Teaching and learning materials offering support tools for learners' expressive activities and performance assessment and enabling learning diagnosis and management
- Supportive data helping to extend learning information and experiences

Implementation of SMART School(3)

information search, knowledge identification, knowledge application and learning reflection



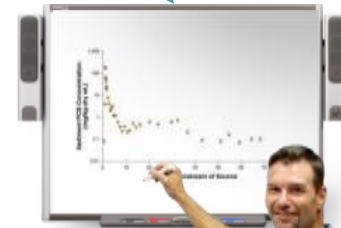
Students share knowledge with colleagues and experts, and reflect on learning



Digital Textbooks help students to search and to get information through multimedia



Students apply knowledge through scientific experiments (problem solving)



Teacher summarizes important notions (knowledge identification)



Implementation of SMART School(4)

<Open educational content distribution system>



Enhance wireless infrastructure
Utilize smart devices



[Improve classroom lesson environment]

Cloud-based smart
educational service

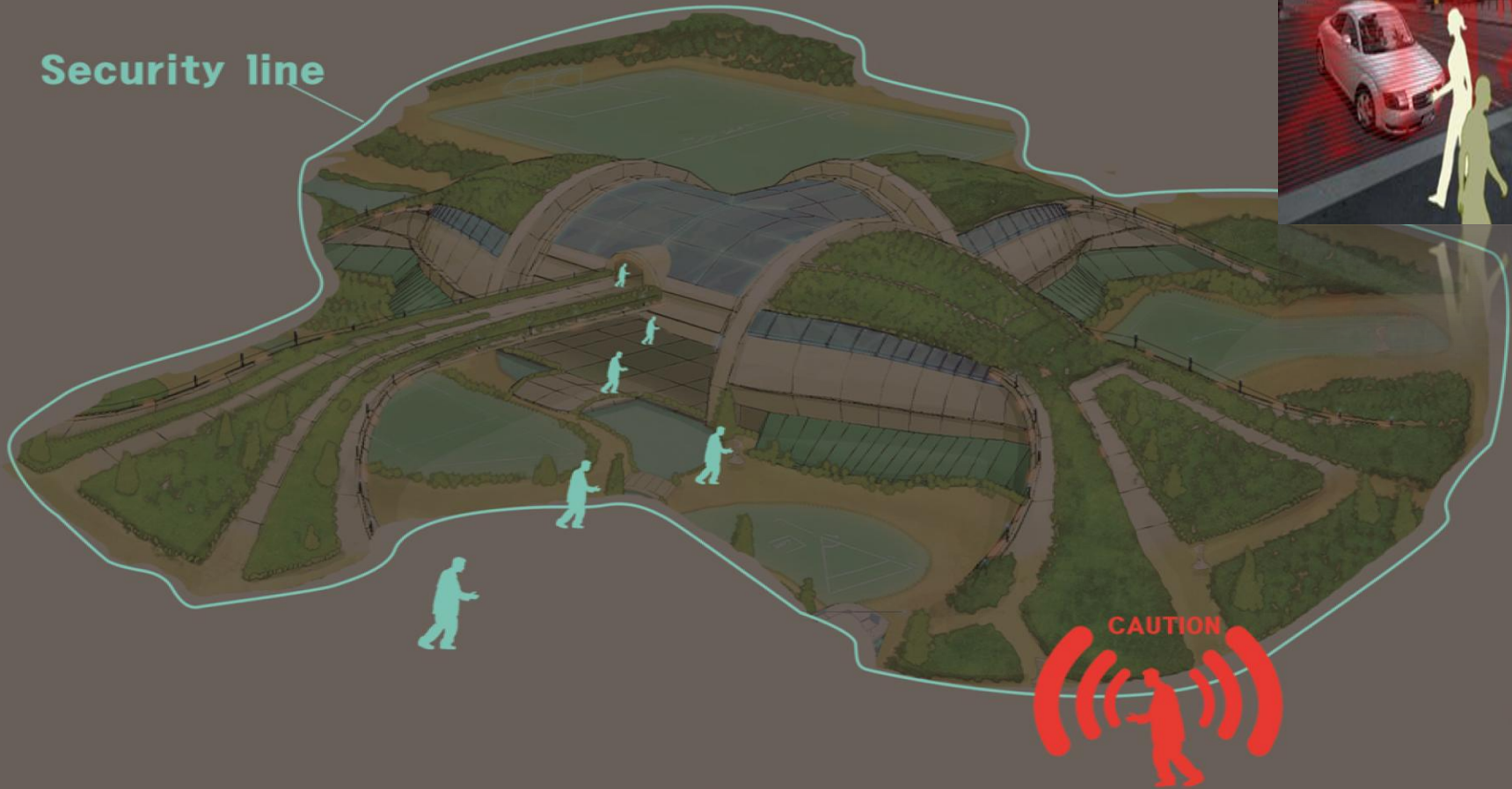
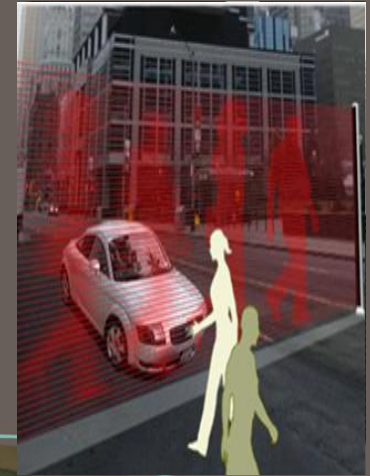
Digital textbook-making tools
Learning support tool for learning
management system



[SMART Education platform]

Implementation of SMART School(5)

Security line



III. ACHIEVEMENTS & PERSPECTIVE OF SMART SCHOOL

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Achievements of SMART School



Improving
Accessibility
&
Productivity



Excellent!



Intellectualization
of Academic
Administration



Average!



Providing
Personalized &
Customized
Learning



Above average!



Intellectualization
of Security
System



Bad!


| Promising Perspective of SMART School

Prior to implementation of SMART School....



- Teacher training of taking advantage of smart technology
- School culture and awareness of school members
- Systematic operation plan
- Redesign curriculum converging technology
- Student compromise on using smart devices etc.

“ What is required of us now is 'wisdom' for properly utilizing the smart technology ”

A blue pencil is shown pointing towards the bottom right corner of the slide. The background behind the pencil is a light blue grid pattern.



Thank you!

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