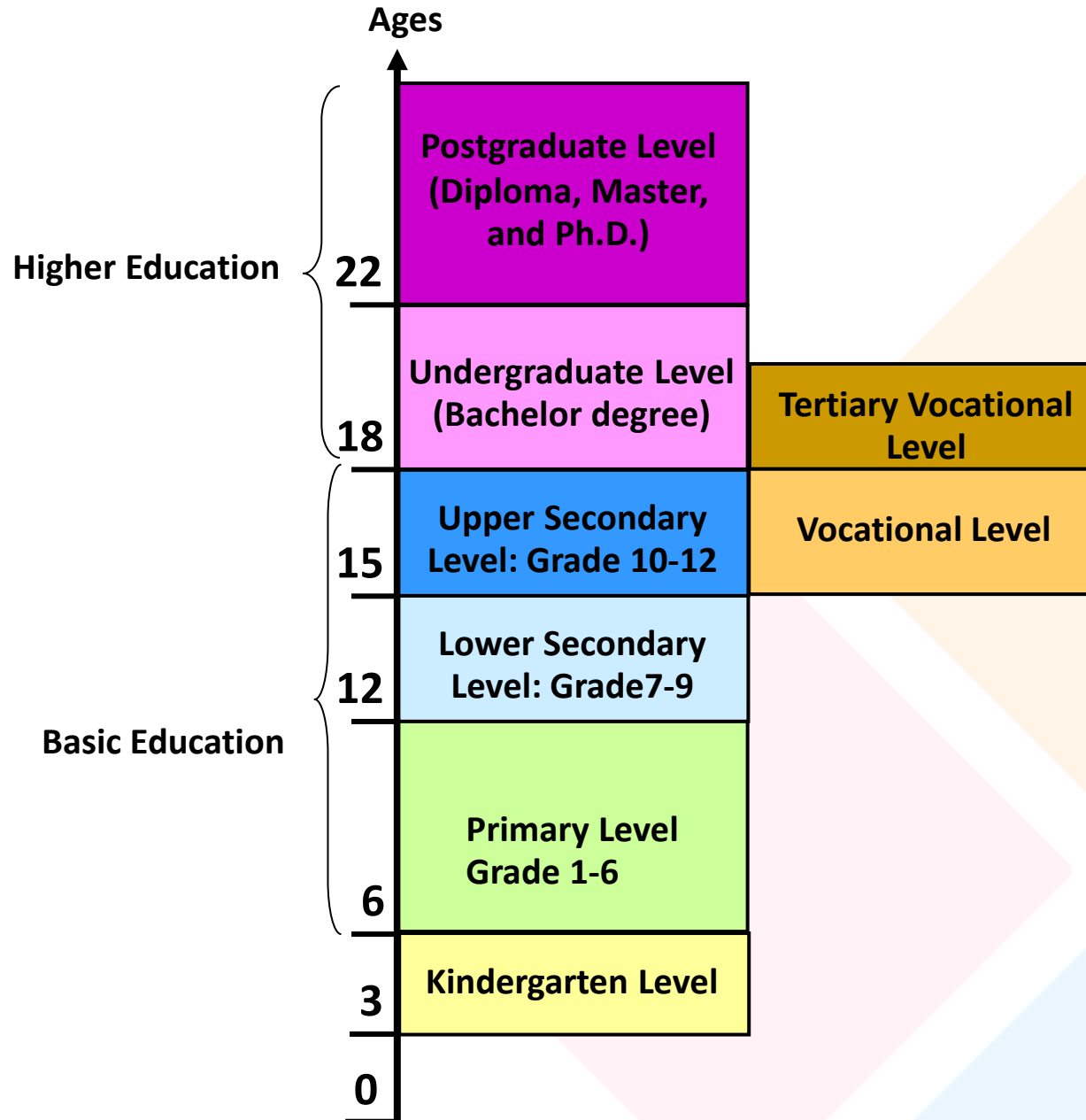




For the possible challenges for reform

**Supattra Pativisan
IPST, Thailand**

Formal Education System



Basic Education

Grade 10-12

Additional

Fundamental

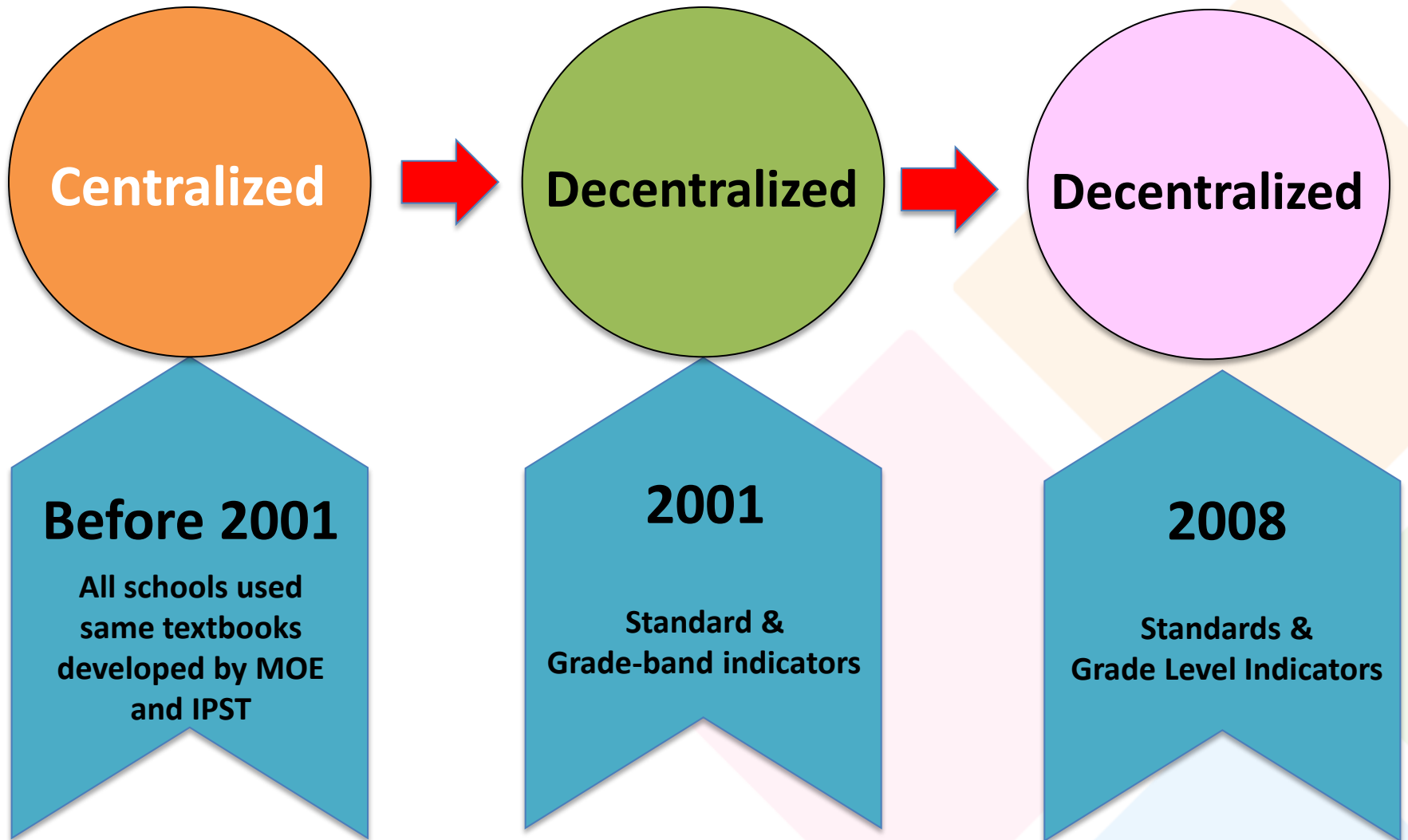
Grade 7 -9

Compulsory Level

Grade 1 - 6

Basic Education Curriculum
(2001 revised 2008)
(Divided in eight subject areas)

Thailand Curriculum Development



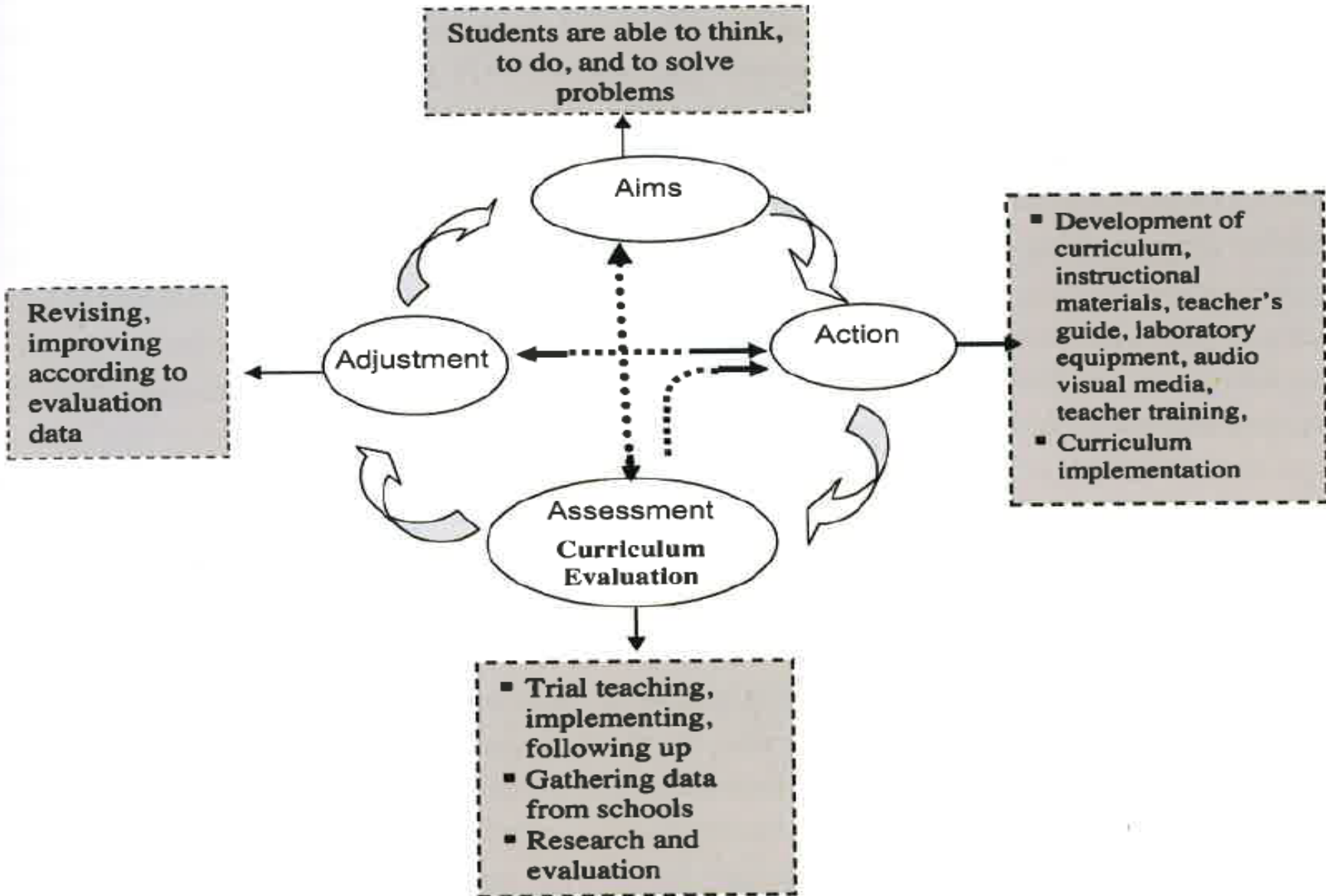


The Institute for the Promotion of Teaching Science and Technology (IPST)

- **1964–1970 : the *UNESCO Pilot Project for Chemistry Teaching in Asia***
- **officially established in 1972 to develop new science and mathematics curricula for all level of schooling**



Curriculum Models used by IPST



Information for curriculum development



- Survey
- Other countries' present national curriculum
- Research and documents
- Experts' recommendation
 - IPST and other institutes
 - Domestic and international
- Public hearing

Challenges of the reform



- Curriculum:
 - The standard-based curriculum
 - The school-based curriculum
- Curriculum authorities:
 - change from MOE/IPST to Schools
- Decision making on textbooks and instructional materials
 - change from MOE/IPST to Schools
 - criteria for approval textbooks

Challenges of the Reform



- Compulsory education
 - extend from 6 to 9 years
 - free education
- School population has been increased
 - Teacher shortage
 - Teacher workload and expertise
 - Material resources shortage

Concerns for math curriculum change

2008 Curriculum

- Some Mathematics contents are not conform with science contents.

Future Curriculum

- Re-organize the contents in order to conform with science contents.

Concerns for math curriculum change

2008 Curriculum	Future Curriculum
<ul style="list-style-type: none">• The curriculum was outdated, too many contents, uninteresting.	<ul style="list-style-type: none">• Update the contents to support the learning in the 21st century.• Focus on applying knowledge to real world situation.• Reduce contents, emphasis on foundation of knowledge, and increase time to do activity.

Concerns for math curriculum change

2008 Curriculum	Future Curriculum
<ul style="list-style-type: none"><li>• The curriculum is not promoting students' thinking skill.	<ul style="list-style-type: none"><li>• Focus on learning activities that promote students to think, analyze, solve problem, communicate with others, and understand their own thought through reasoning.<li>• More relation to everyday lives and integration with skills for learning in the 21st century.