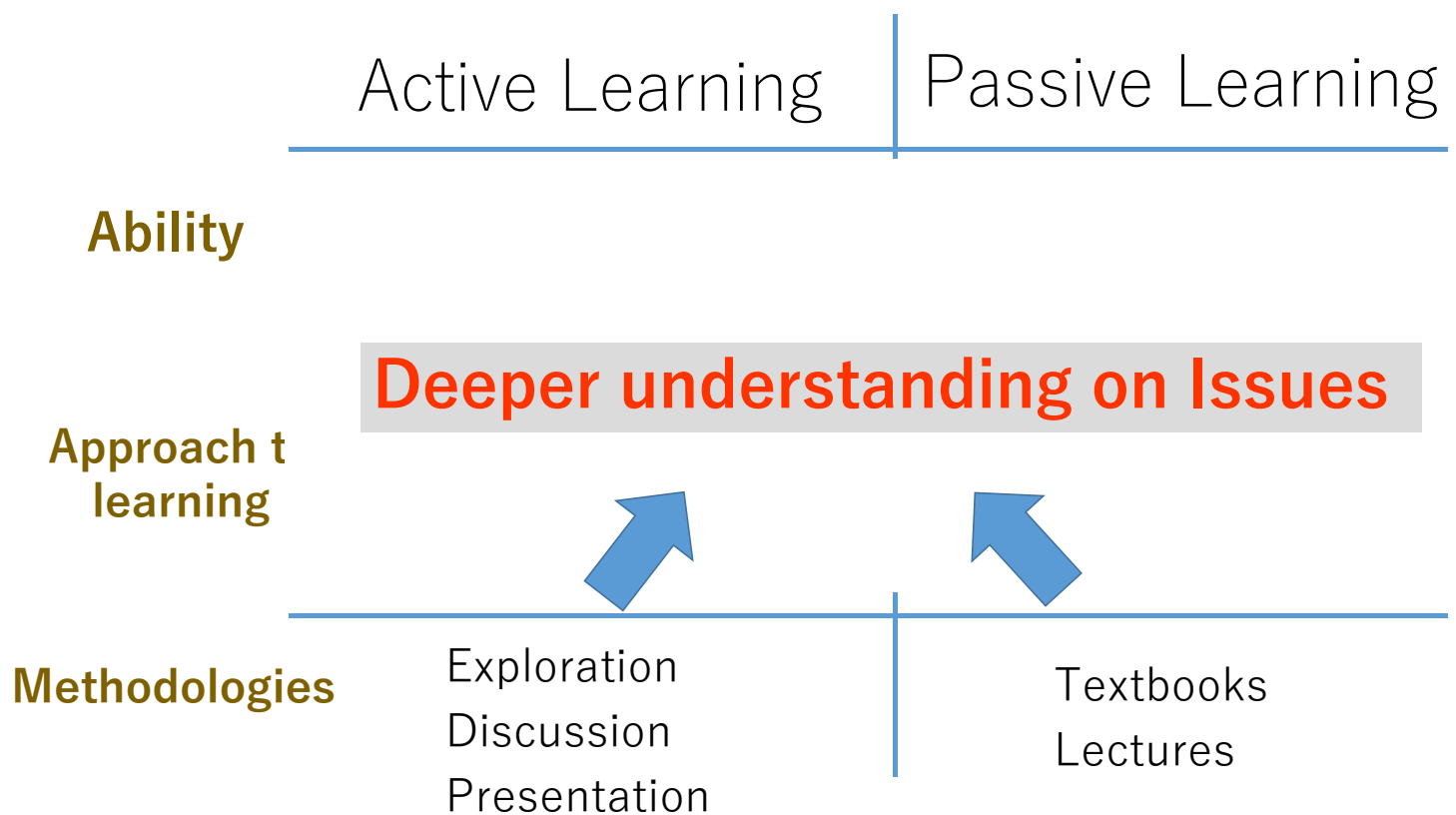
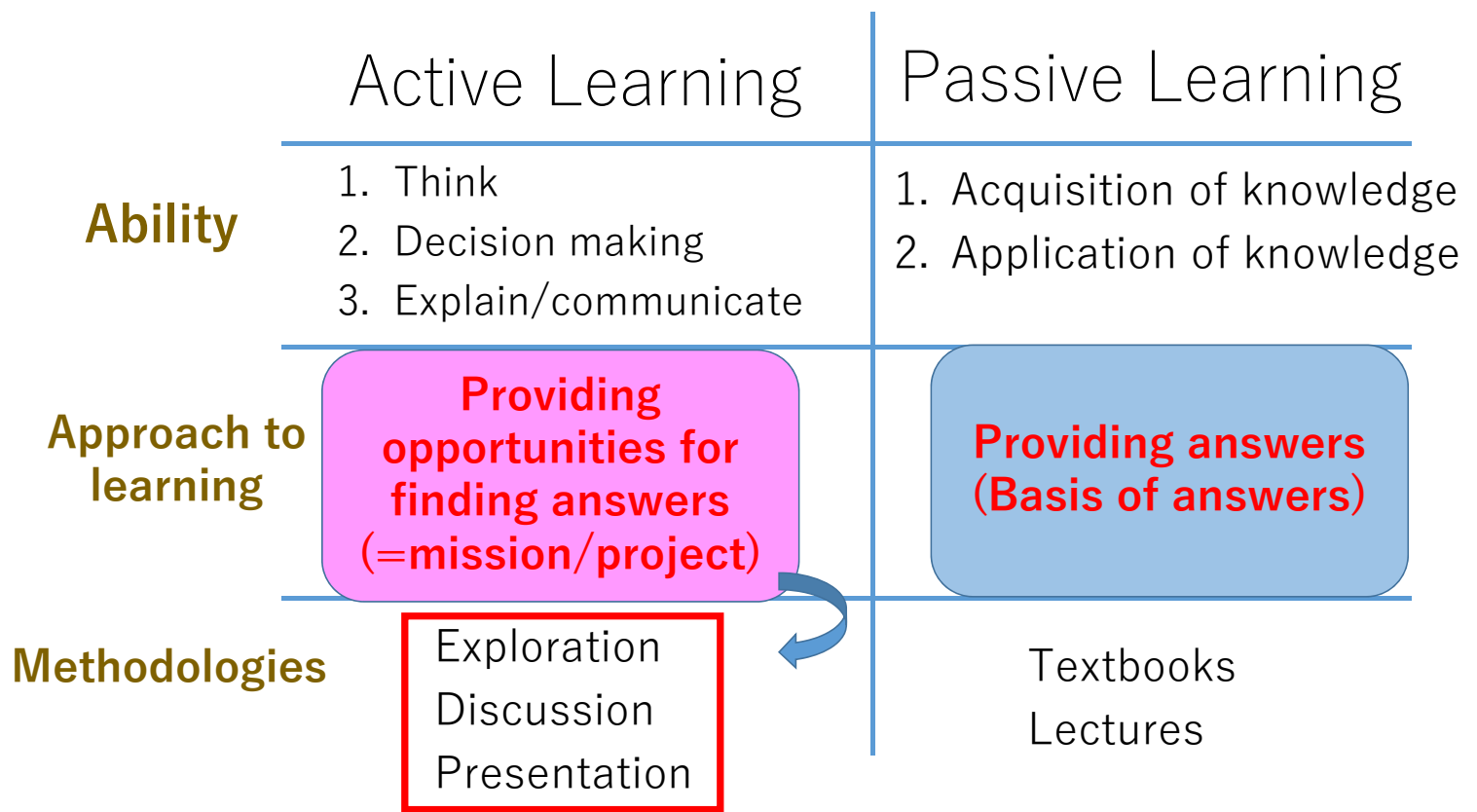
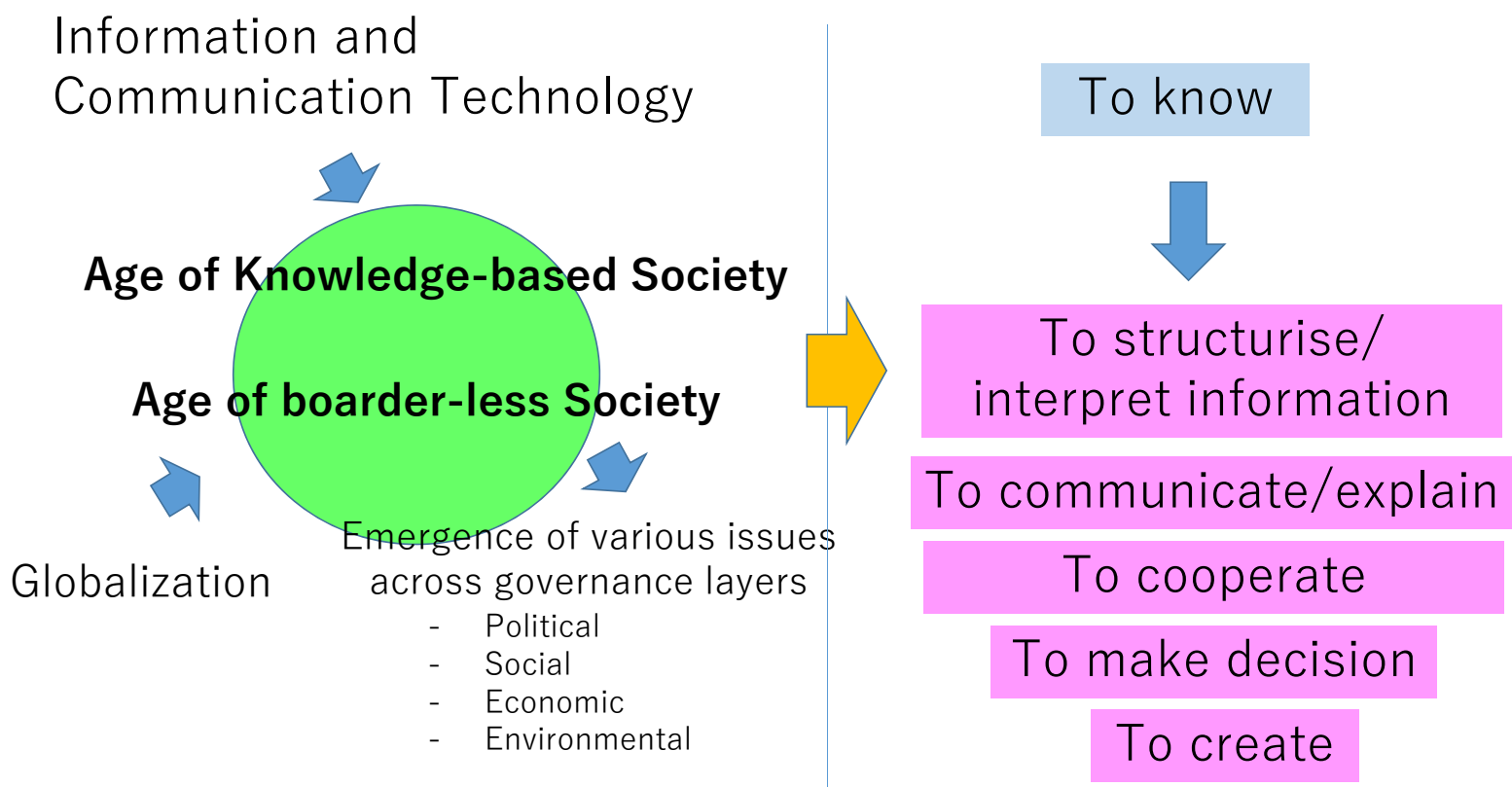


# Active Learning

	Active Learning	Passive Learning
<b>Ability</b>	<ol style="list-style-type: none"><li>1. Think</li><li>2. Decision making</li><li>3. Explain/communicate</li></ol>	<ol style="list-style-type: none"><li>1. Acquisition of knowledge</li><li>2. Application of knowledge</li></ol>
<b>Approach to learning</b>	<ol style="list-style-type: none"><li>1. Deep learning</li><li>2. Interactive Learning</li><li>3. Proactive</li></ol>	Uni-directional Knowledge oriented
<b>Methodologies</b>	Exploration Discussion Presentation	Textbooks Lectures



# Why Active Learning?



# Nature Exploration

## Aim

To find out creatures living around us and to understand the relationship between the creature and the natural environment

## Activities

1. Explore nature around us and find what kind of creatures are inhabiting.
2. Discuss where were creatures and why they were there.
3. What could be the problem? Share your thoughts.



みつけた場所:  
グケンドのうしろの方の  
コンクリートの石の下

【ダンゴムシは似たような所にいるね】



【何をしているか、静かに観察しよう】



【草むらにはバッタがたくさんいるね】

# KP Method

## Aim

To acquire skill to communicate/explain in simple way

## Activities

1. Provide information on pieces of paper
2. Let students discuss questions in groups based on the information (20-30min)
3. Let the group compile, write and explain their conclusions in a logical manner

## Example

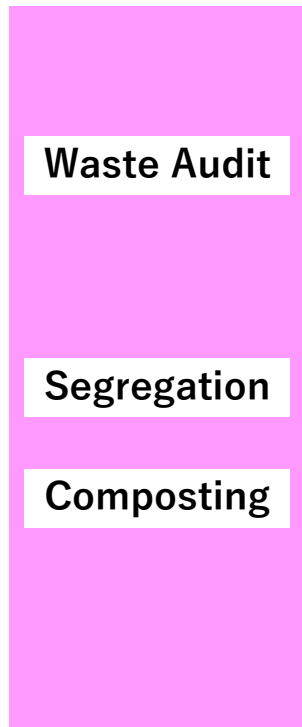
1. The main staple of Japan is rice. Consumption per person is approx. 54kg/person
2. The consumption of rice halved in the past 50 years
3. More than half of the agricultural field in Japan grows vegetables (but not rice). 54.4% in 2014



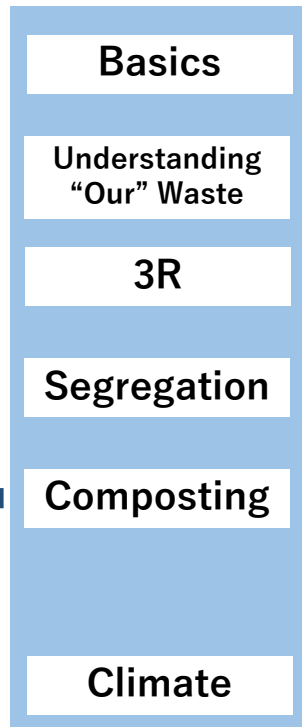
## Question

How will Japan's agricultural communities would look like in 2050?

## Practice



## Lecture



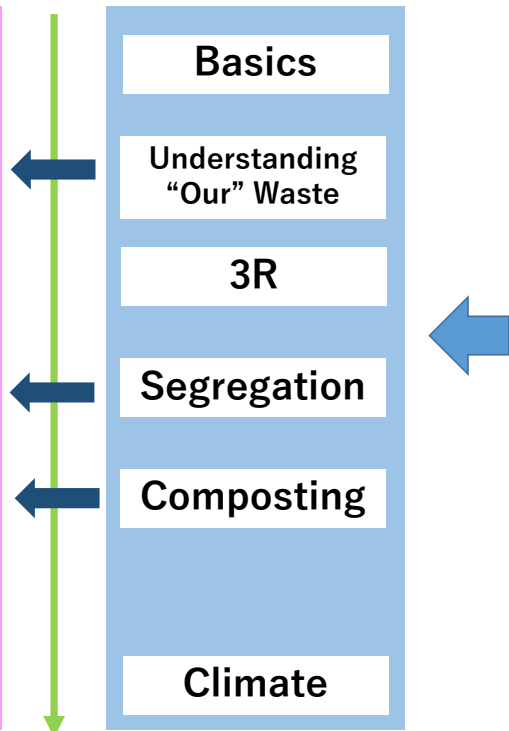
## Educational Tools

### Ecology Note

- Lesson 1
- Lesson 2
- Lesson 3
- Lesson 4
- Lesson 5
- Lesson 6
- Lesson 7
- Lesson 8
- Lesson 9

### Teacher's Guide

- Tool 1  
(Waste Audit)
- Tool 2  
(Segregation)
- Tool 3  
(Composting)



*Deeper understanding on waste & resource issues*