

Sciences: working with technicians in Dutch schools

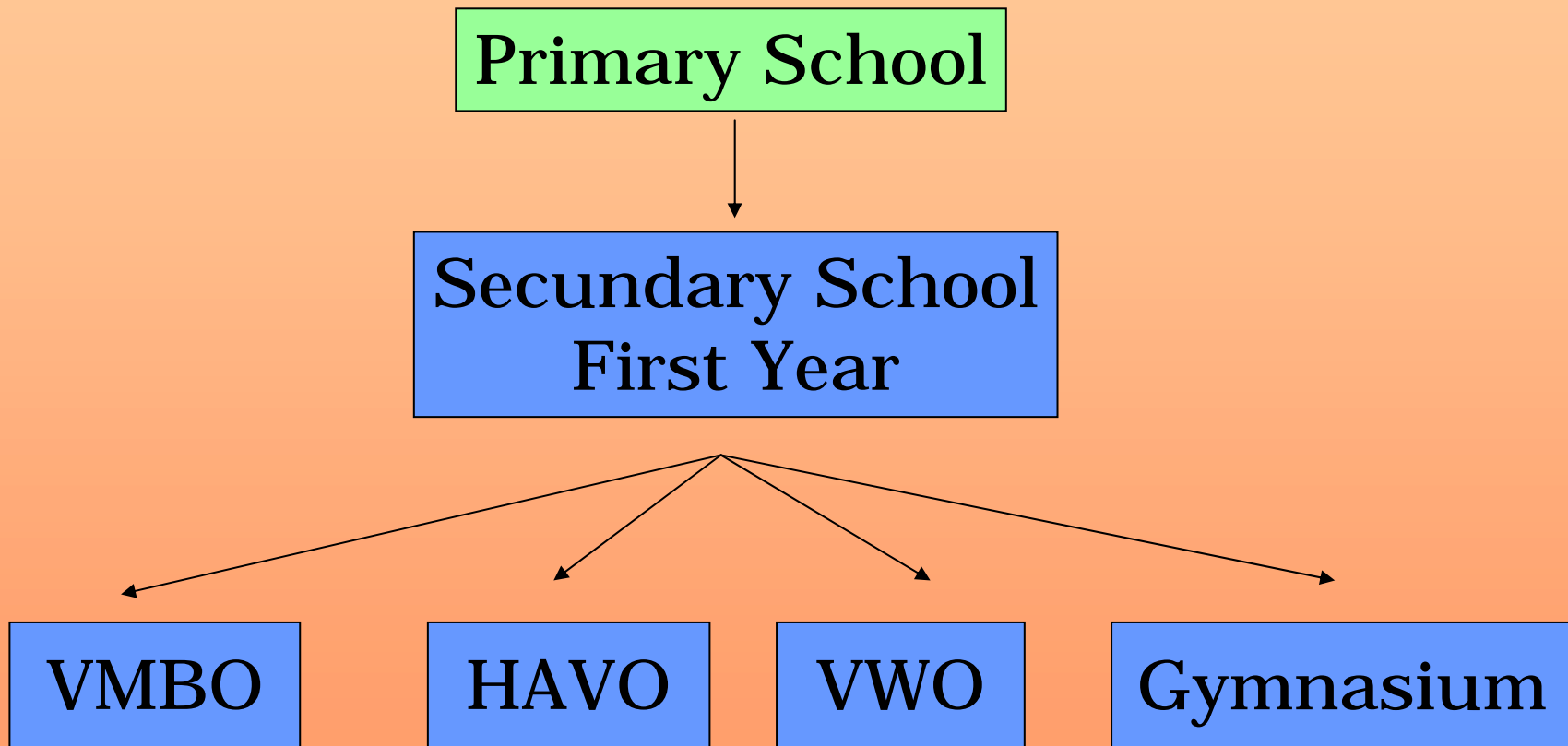
Petra Ketelaar
Dafne de Boer

Goals of this session

- Clarifying the role of technicians
- Added value of assistance
- Technician environment being a tool for the development of the science subjects



Dutch schoolsystem



Technician levels



- Lower secondary
- Upper secondary
- Single discipline
- Multi discipline

General tasks

- Preparation of practical lessons
- Taking care of the general stock
- Taking care of safety measures
- Introduction talk before a practical
- Assistance/support during the lesson
- Maintenance of materials

Practical exam upper secondary



Special tasks

- Individual support of students
- Development of practicals
- Taking care of the right procedures involving:
 - Safety
 - Waste disposal
 - special equipment

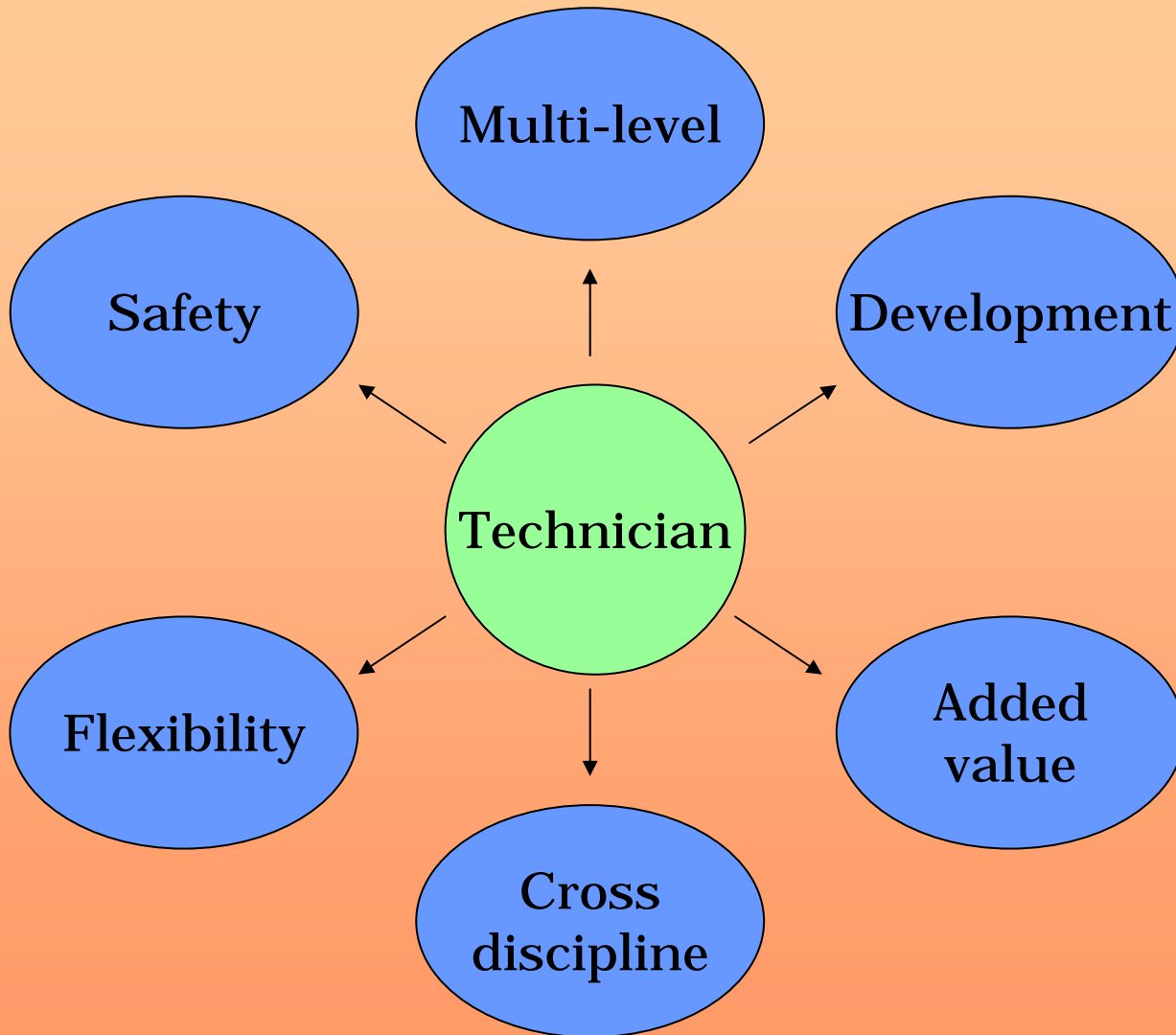
Personal projects



Added Value

- Practical lessons can be done with classes up to 32 students (24 in general)
- Support during personal projects of students
- Teach the students all the required skills
- Practical lessons can be given more often

Technician environment



Future science in a lab



- All disciplines together, biology, chemistry and physics
- The sciences!

Technician committee of the NVON

- Support
- Organize
- Co-ordinate
- Communication/exchange