



# Star Future: Innovative technology for the intervention of autism children

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Associate Professor  
and Guangshuai Wang

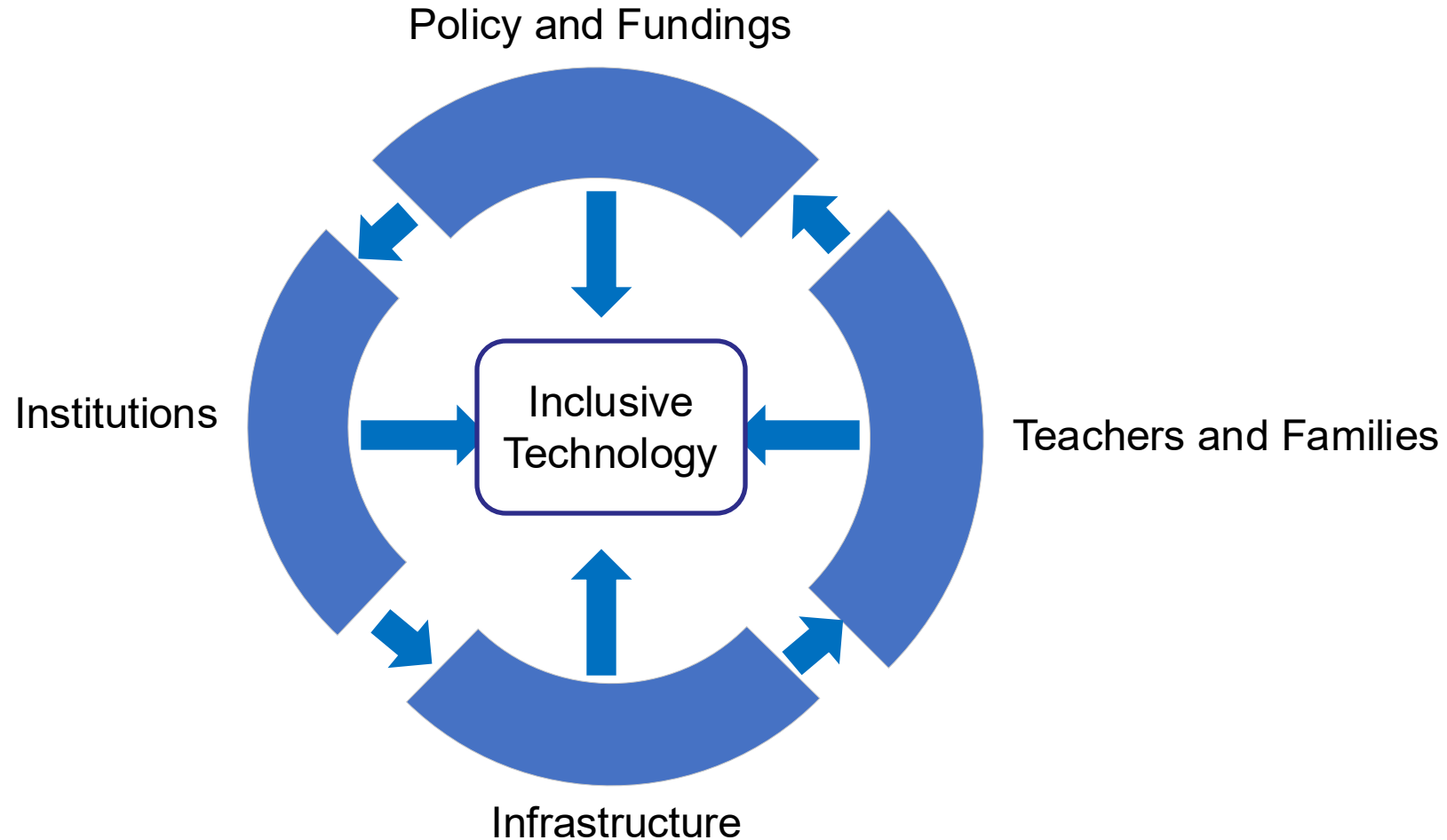
Assistant Professor

Central China Normal University



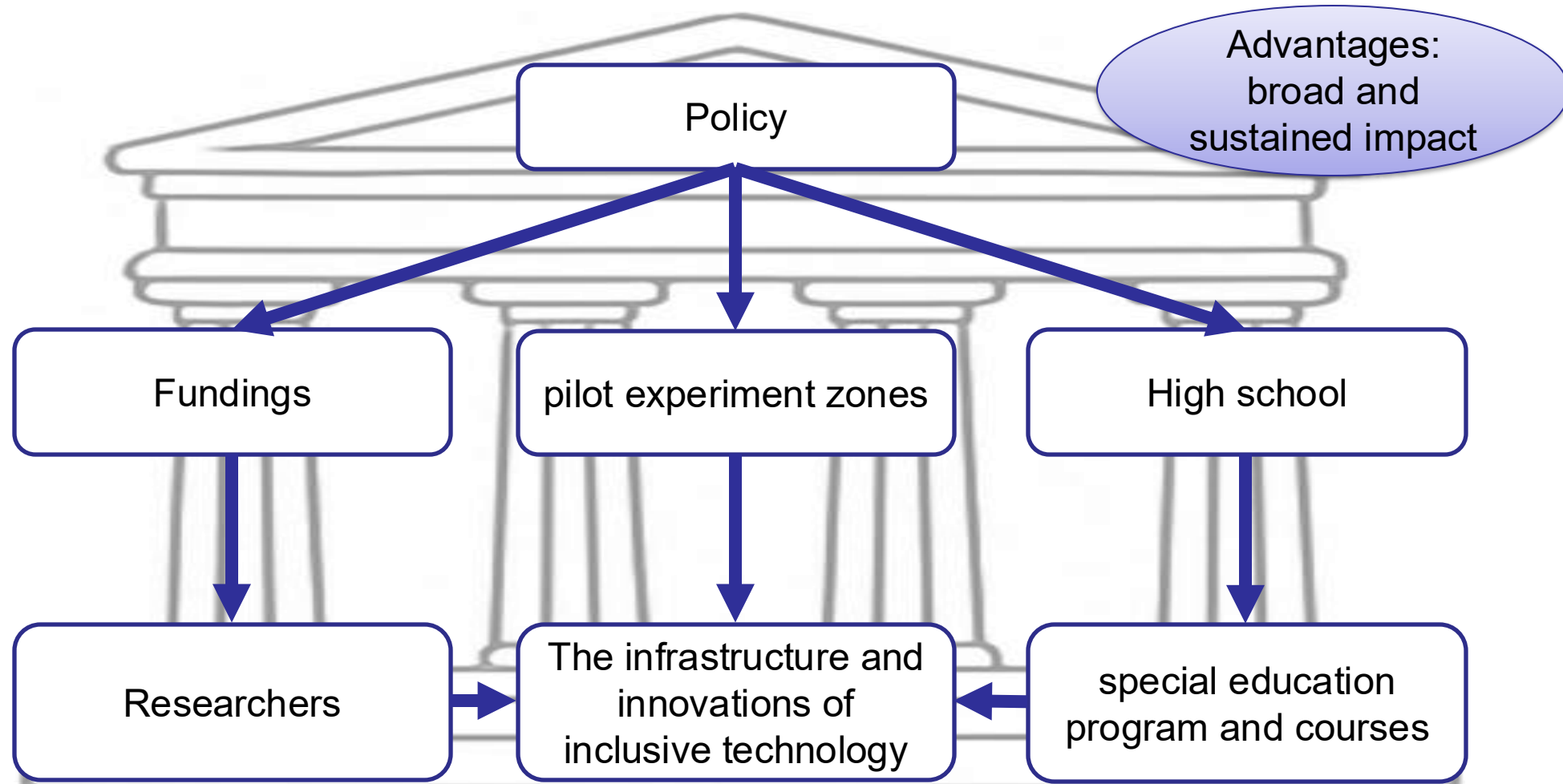


# The inclusive technology



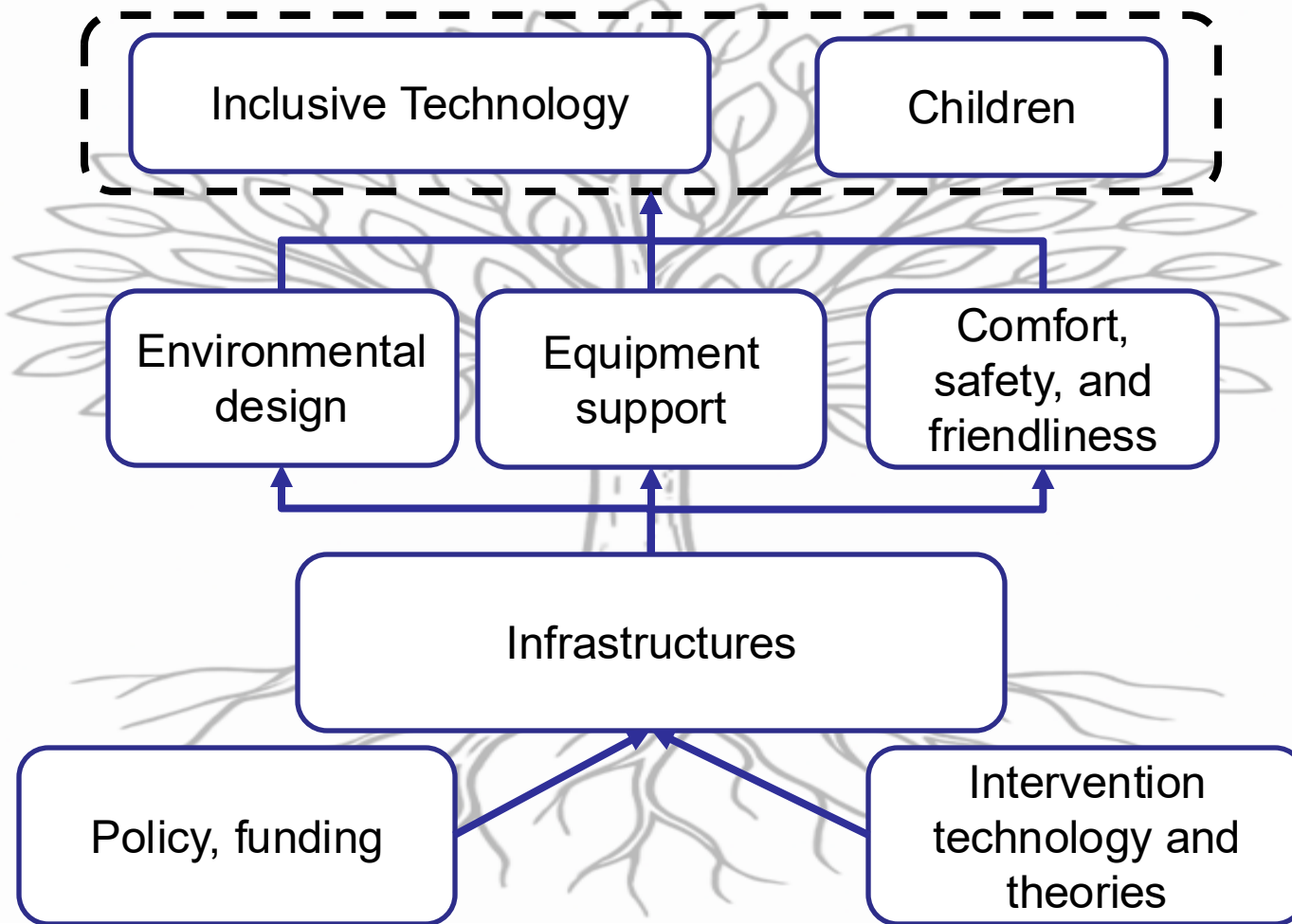


# Policy and Fundings



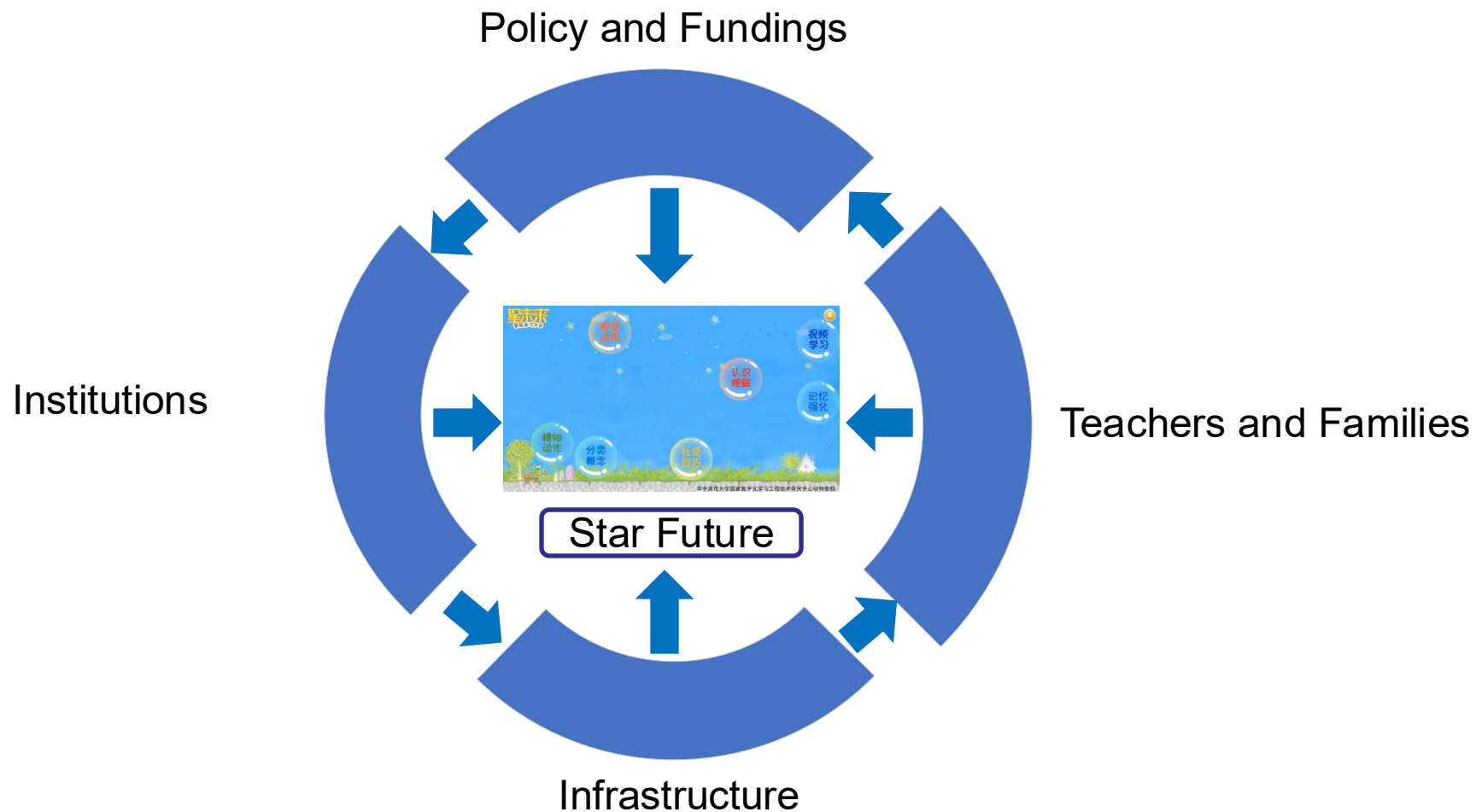


# Infrastructures



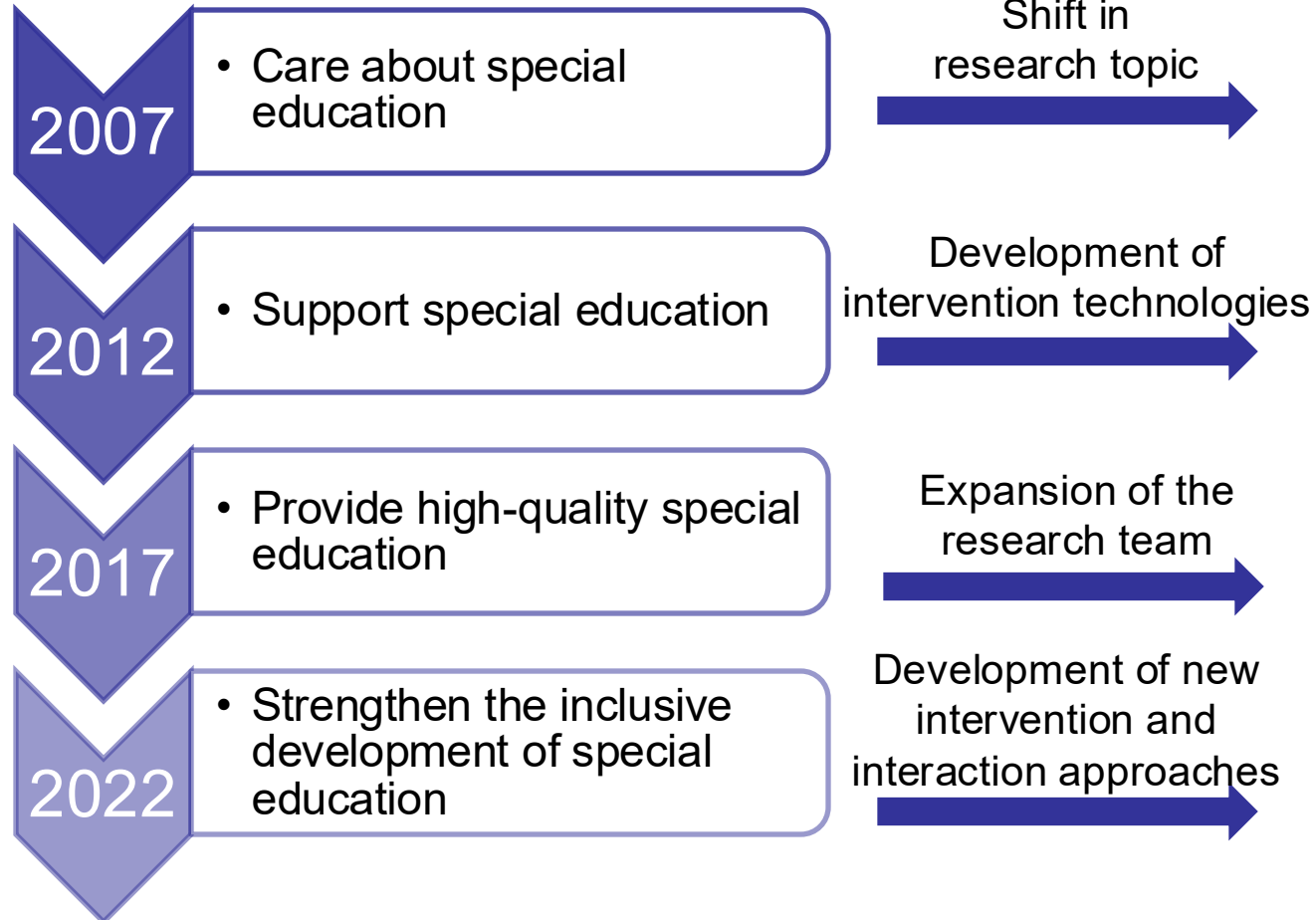


# Case Study





# Policy and the Star Future



Star Future





# Institute and Star Future



## Disciplinary

Education, Education Technology,  
Computer Science and Technology, Brain  
Cognition, Art Design, Artificial Intelligence

With  
Fundings  
➔





# Theories of Star Future

- Four key theories of child development act as a framework for this research
  - ✓ **Theory of mind** which explores the ability of children to reason about the mental states of others
  - ✓ **Executive functioning** an umbrella term for functions that include initiating, sustaining, shifting and stopping
  - ✓ **Central coherence** which explores the inability of children with Autism to integrate pieces of information into coherent wholes and their inability to extract overall meaning from larger pieces of information, instead processing things in a detail-focused manner
  - ✓ **Inter-subjectivity** emphasizing the importance of emotional engagement for meaningful learning



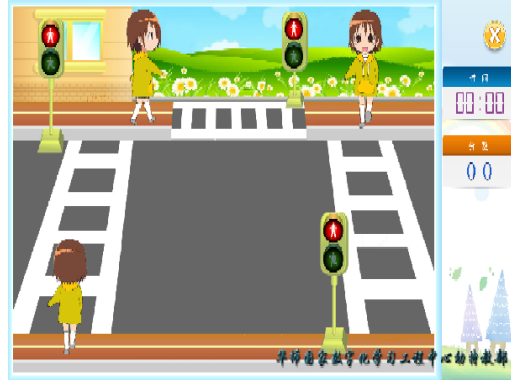
# Evaluation system





# Learning activities of Star Future

- ❑ Cognitive understanding
- ❑ Visual application
- ❑ Fine motor
- ❑ Social interaction
- ❑ Classification concept
- ❑ Memory enhancement



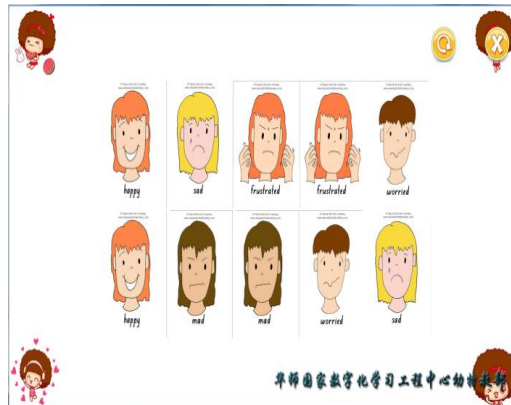
Cognitive understanding



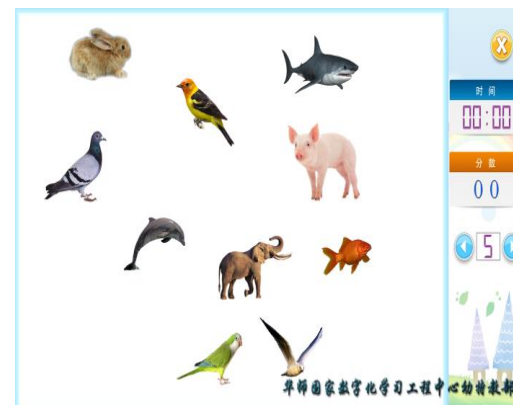
Visual application



Fine motor



Social Interaction



Classification concept



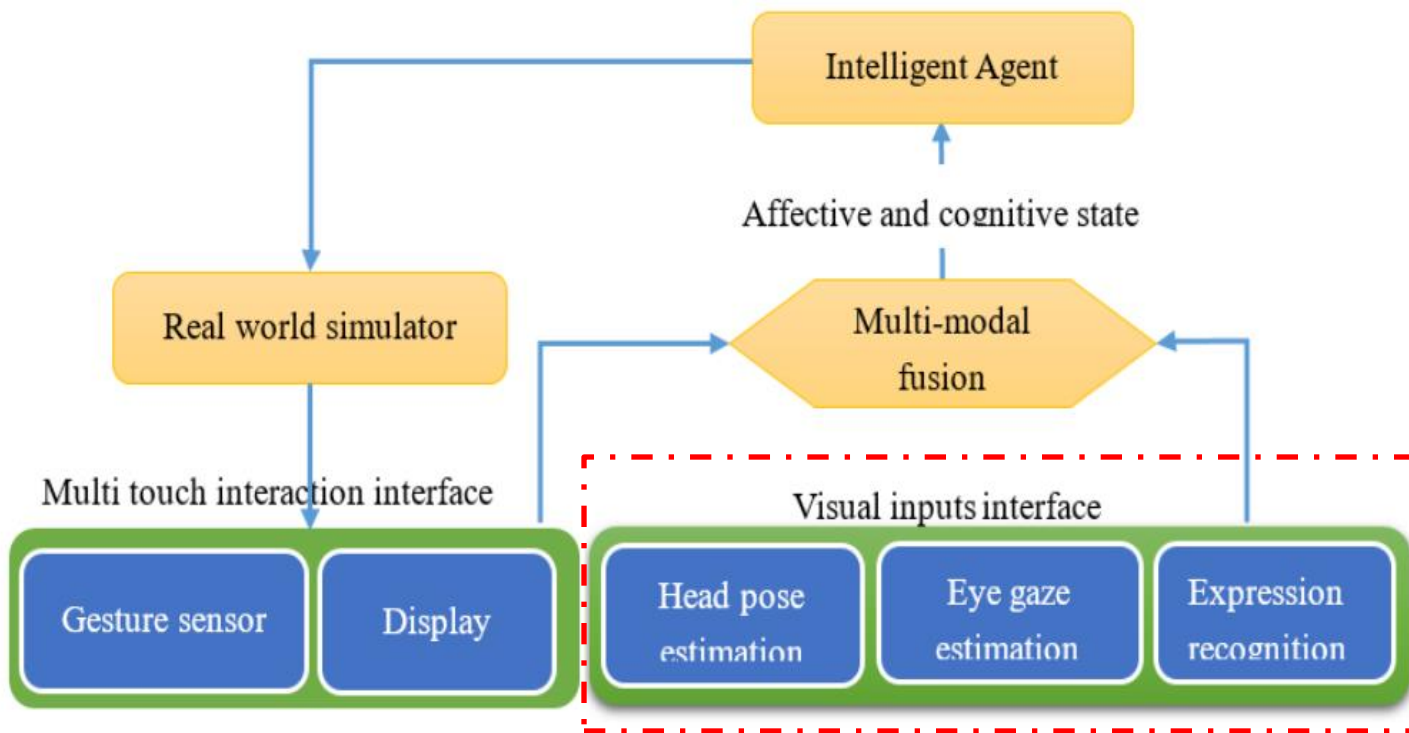
Memory enhancement





# Infrastructures and Star Future

## ■ The framework of the learning environment



Implementation of Learning Environment



# Training Course for Special Education

The screenshot shows the course page for '特教教师课堂教学专题培训' (Special Education Classroom Teaching Specialized Training). The page includes a navigation bar with categories like '德育', '课程教学', '体育', '美育', '劳动教育', '课后服务', '特殊教育', '教师研修', '家庭教育', '教改经验', '教材', '人工智能教育', and '地方频道'. The course title is prominently displayed, along with a progress indicator showing '1% 已学习' and a '继续学习' button. Below the title, there is a '课程来源' section indicating it is from the '2025年“暑期教师研修”专题' (2025 Summer Teacher Training Specialized Topic). The '课程简介' (Course Introduction) section lists various activities such as '特殊儿童注意力提升课程', '注意力训练 (初级)', '初阶注意力训练目录', '1 杯子接球 (视觉追踪+视动转换)', '2 杯子推推乐 (视觉追踪+视动转换)', '3 口令游戏 (指五官) (听)', '4 剪刀石头布 (视动)', and '5 追踪食物 (视)'. The '培训专题' (Training Special Topics) section features a '暑期教师研修' (Summer Teacher Training) badge and the name of the instructor, '陈颖影 (华中师范大学教授) 团队等' (Chen Yingying, Professor at Huazhong Normal University, etc.). The '推荐课程' (Recommended Courses) section lists '学前教育专题培训' (Specialized Training for Pre-education) with a progress indicator of '66.1万 / 66.8万' and '90个资源'.

Course for teacher training in special education

The screenshot shows the course page for '特教教师课堂教学专题培训' (Special Education Classroom Teaching Specialized Training), specifically focusing on the '杯子接球' (Cup Ball Game) activity. The page includes a navigation bar with categories like '德育', '课程教学', '体育', '美育', '劳动教育', '课后服务', '特殊教育', '教师研修', '家庭教育', '教改经验', '教材', '人工智能教育', and '地方频道'. The course title is prominently displayed, along with a progress indicator showing '1% 已学习' and a '继续学习' button. Below the title, there is a '课程来源' section indicating it is from the '2025年“暑期教师研修”专题' (2025 Summer Teacher Training Specialized Topic). The '课程简介' (Course Introduction) section lists various activities such as '特殊儿童注意力提升课程', '注意力训练 (初级)', '初阶注意力训练目录', '1 杯子接球 (视觉追踪+视动转换)', '2 杯子推推乐 (视觉追踪+视动转换)', '3 口令游戏 (指五官) (听)', '4 剪刀石头布 (视动)', and '5 追踪食物 (视)'. The '培训专题' (Training Special Topics) section features a '暑期教师研修' (Summer Teacher Training) badge and the name of the instructor, '陈颖影 (华中师范大学教授) 团队等' (Chen Yingying, Professor at Huazhong Normal University, etc.). The '推荐课程' (Recommended Courses) section lists '学前教育专题培训' (Specialized Training for Pre-education) with a progress indicator of '66.1万 / 66.8万' and '90个资源'.

Course for enhancement of children's attention





# Training Course for Special Education

国家智慧教育公共服务平台 | 国家中小学智慧教育平台

首页 > 教师研修 > 2025年“暑期教师研修”专题 > 数字素养提升 > 课程详情

### 数字素养提升

2025年“暑期教师研修”专题 | 902.6万 | 4.9分 (10w+个)

#### 数字素养维度：1.2.1 数字技术的发展现状

## 特殊教育与数字化前沿技术

主讲人：陈靛影 教授  
单位名称：华中师范大学

感谢所有为资源建设提供资料的单位和个人  
未经允许不得转载或引用

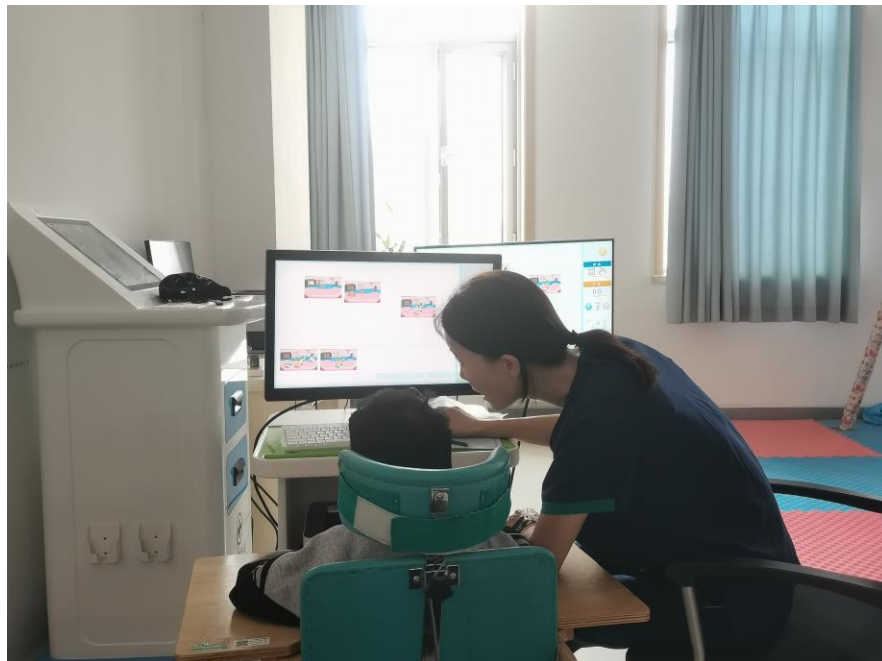
- 1.1.2 特殊教育数字化理论
- 1.2.1 数字技术的发展现状01
- 1.2.1 数字技术的发展现状02
- 1.2.2 人工智能等典型数字技术介绍01
- 1.2.2 人工智能等典型数字技术介绍02
- 1.3.1 数字技术应用于特殊教育的典型应用01
- 1.3.1 数字技术应用于特殊教育的典型应用02
- 2.1.1 特殊教育数字技术的选择策略01
- 2.1.1 特殊教育数字技术的选择策略02
- 2.1.1 特殊教育数字技术的选择策略03

Promoting digital literacy capacity building in special education

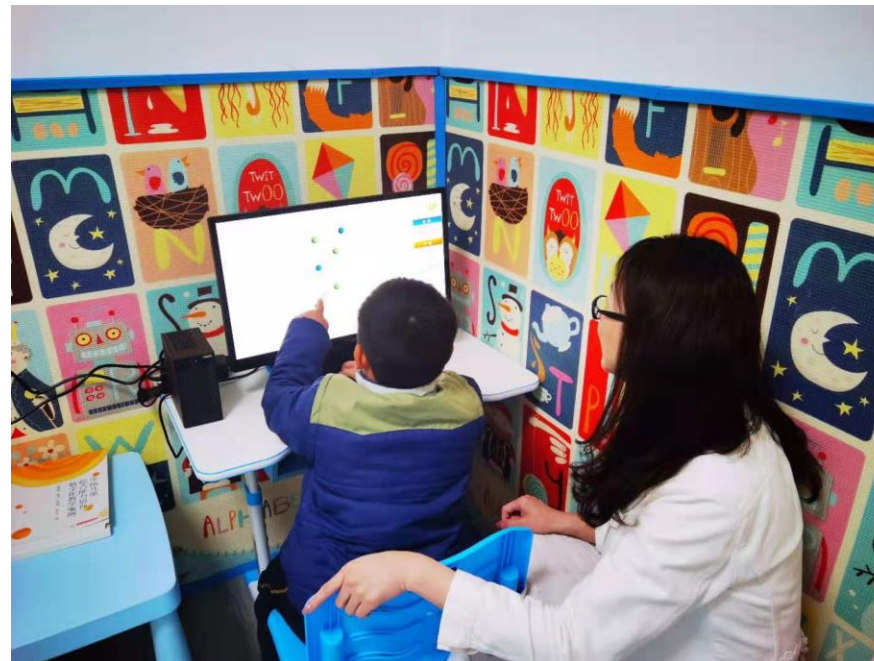




# Application of Star Future



Intervention with teachers



Intervention with Practitioners

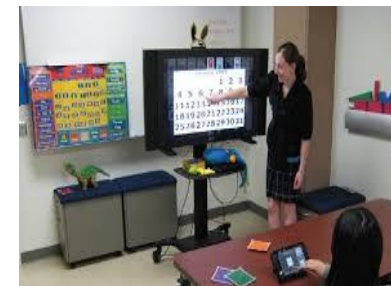




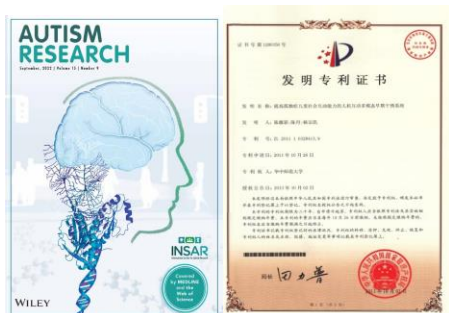
# Conclusion



Policy



Teachers and Families



Researches



Scale the use of Star Future



Infrastructures



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# Thank you for listening!



国家数字化学习工程技术研究中心