



# SYSTEM DESCRIPTION

## AR Technology

### AUGMENTED REALITY LEARNING STATIONS

Augmented Reality (AR) Learning Stations come equipped with a stylus, stylus sensor module, eyeglasses for 3D effect, and laptop. **The solution only focuses on academic goals (and does not include any entertainment content.)** Users can “look around” virtual objects as if they are real. When the viewer adjusts their head, a realistic viewing experience is produced by changing the objects' location and orientation in real-time.







## INTERACTIVE CURRICULUM:

Over a thousand immersive lessons enrich education by promoting higher-order thinking skills, increasing learner involvement, focused concentration on complex concepts, and overall academic performance. All curriculum is technology-based and utilizes the latest technology to bring the student the best possible learning aids.

The AR lessons are aligned to national and state standards. Teachers can use the AR lessons when they want to:

- Introduce a new or complex concept in class.
- Develop and deepen understanding of a specific concept.
- Allow students to practice scientific or mathematical vocabulary.
- Summarize learning at the end of class.
- Differentiate instruction between students or groups of students.
- Build prerequisite knowledge and understanding of complex concepts before teaching them in class.
- Develop problem solving skills in a real-world setting.

Schools can use AR to supplement or replace their science labs. Lessons are available from kindergarten to grade 12 and in over ten subject areas, including Biology, Chemistry, Earth and space Science, Engineering Design, Geography, Health Science, Math, Physics, and Physical Science. The lesson content is developed for the appropriate grade level. Within the AR lessons, there are formative assessments for teachers to use.

### Special Education:

Our proposed solution will also help students meet any academic goals listed in the IEP and objective development. Virtual and augmented reality allows students with special needs develop their knowledge, skills, and attitudes in ways that would not have been possible otherwise. For students with diverse needs and learning styles arising from their disabilities, AR can help accommodate often unique and individual learning experiences.

