



Open Up Resources is a non-profit on a mission to increase equity in education and ensure every student, in every classroom, receives a quality, joyful education. All of our curricula are superior in quality, and we offer school systems very affordable pricing on curriculum so they are able to invest in professional learning support to make implementation effective and easy for teachers.

Open Up High School Math is the only high school mathematics curriculum with every lesson structured around the *5 Practices for Orchestrating Productive Mathematics Discussions* (Smith & Stein, 2018). This complete three-year high school curriculum is built upon the Comprehensive Mathematics Instruction Framework to meet the expectations of College and Career Ready Standards. Available in both Integrated and AGA course sequences.

What sets us apart:

- Overarching guidance and embedded alignment highlights the 8 Effective Teaching Practices from the National Council of Teachers of Mathematics *Principles to Action* and the Standards for Mathematical Practice.
- Anticipate and Monitor charts support teachers in anticipating and responding to student thinking in every lesson.
- Selecting, Sequencing, and Connecting charts guide teachers in using and advancing student thinking to reach lesson goals.
- Embedded formative assessment opportunities designed to evaluate student learning, provide meaningful feedback, and inform instruction decrease the need for traditional assessments.

How the curriculum is structured to Meet the Needs of All Students:

- Low-threshold, high ceiling tasks allow all students full participation in the mathematics of the standards.
- Enrichment opportunities are distributed throughout the curriculum as natural extensions of the mathematics.
- *Supports for Students with Disabilities* embedded to promote access for all students
- Embedded signature mathematical language routines (MLRs) and language opportunities offer detailed guidance for developing students into mathematical thinkers and promoting mathematical literacy for all students.



Quality Professional Learning Is *the* Essential Ingredient.

We tailor professional learning and support recommendations to each district's schedule, staffing, and delivery needs. In addition to our curriculum-embedded professional learning content, we offer:

- On-site introduction to themes, routines, practices, and design of materials
- Workshops devoted to modeling and supporting practice change
- Facilitation of peer-supported work, activating PLCs to build district capacity
- Remote-based 'phone an expert' support, to give teachers real-time help when needed

HIVE Conference – an annual national conference offering multiple pathways across four curricula for deeper learning.

Open Up Effective Instructional Practice:

- The only high school curriculum with every lesson built upon the 5 practices for orchestrating mathematical discussions.
- Anticipate and Monitor charts that support teachers in anticipating and responding to student thinking in every lesson.
- Selecting, Sequencing, and Connecting charts that guide teachers in using and advancing student thinking to reach lesson goals.
- Provides teachers resources to use their time, energy, and creativity to address the individual student.

Open Up Student Agency and Identity:

- Lessons that are authentically built to evolve around student thinking.
- Accessible and meaningful real-world contexts to build on students' funds of knowledge.
- Students have opportunities to use a variety of strategies, procedures, and representations.
- Collaborative learning environments that promote a community of learners where students' explanations and justifications are valued.

Open Up Teacher Supports:

- Opportunity to empower teachers as professionals and support them to use student learning as fuel for rich discussions.
- Embedded professional learning through Lesson Notes that provide meaningful pedagogical guidance.
- Teacher supports design based upon research-based and highly-effective teaching practices.
- 5-Practices Discussion Charts that contain examples of how teachers can nurture intuitive student ideas as seeds from which whole class conversations can flourish.