



## State Leadership

- Create national advisory team
- Review statewide mathematics achievement data
- Create MOU for counties to join the *math4life* initiative
- Provide \$10,000 planning grants to participatory counties
- Gather local buy-in from superintendents and county staff
- Identify and support statewide infrastructures and supports
- Conduct meetings with CILs, county math contacts, and superintendents
- Assist counties in building county 5-Year plans with a common template
- Solicit, review, and build upon county 5-Year plans
- Create monitoring and sustainability procedures
- Offer in-service and pre-service content and pedagogy boosters/coursework
- Collaborate with Institutions of Higher Education
- Develop *math4life* website with input from LEAs
- Develop educator guides, frameworks, content planning (scope and sequence) guides, PLC guides, and PSAs and house them on the *math4life* website
- Algebra I pilot (includes support for in-service teachers)
- Procure national expert reviews for *math4life* initiative and certification plan (Zimba, Seely, Maynus)
- Provide State-procured national experts in the areas of differentiated curriculum and student engagement
- Secure a research firm or Institution of Higher Education to chronicle *math4life* implementation for 5 years starting at inception
- Secure a research firm or Institution of Higher Education to evaluate the impact of the *math4life* initiative on student math performance

## County Leadership

- Sign and return WVDE *math4life* MOU
- Accept \$10,000 planning grant
- Name county/school leadership teams and cadres
- Gather stakeholder support
- Develop 5-Year Plan with local educators
- Plan, develop, and implement professional learning per Policy 5500
- Monitor performance to make continuous improvements based on data
- Improve classroom pedagogy and instructional practices
- Leverage national experts procured by WVDE
- Utilize in-service content and pedagogy boosters/coursework
- Define the monitoring process at the school level

The following defines many options counties may consider when developing, implementing, updating, and sustaining their 5-Year *math4life* plan.

#### Research-based Best Practices

- Mathematical Habits of Mind
- Pedagogical strategies
- Working with State-procured national experts in the areas of differentiated curriculum and student engagement
- Online benchmark, interim, and diagnostic assessment tools

#### Research-based Instructional Strategies

- Scheduling
- Collaborative Grouping
- Student engagement
- Creative thinking
- Critical thinking
- Real-life application
- Standards-focused instruction
- Connectional vs. Divergent thinking

#### Technology Supports

- Developmentally appropriate technology blended with proven instructional strategies
- Professional learning for teachers to improve technology integration skills
- Appropriate online tools and supports to enhance mathematics instruction

#### Innovative School Scheduling

- School day embedded PLCs
- Reimagining time
- Non-traditional schedules (e.g. rotating schedules, teacher prep blocks, horizontal and vertical teaming)

#### Extended Learning Opportunities

- Before- and after-school learning opportunities
- Tutoring to students during non-instructional time
- Family/community involvement to promote mathematics

#### Marketing Plan

- School and community business partners
- *math4life* website and resources
- WV *math4life* Mathematics Citizen Spotlight
- *math4life* materials on county-level sites
- Local *math4life* social media presence