

Summary of TSIA2 Math Prep Course Overview Video

- **Course Structure And Navigation for the TSIA2 Math Prep Moodle Module:**
 - **Course Navigation:** Students select the waffle menu on the left side of Moodle to access individual units within the course.
 - **Unit Components:** Units generally include an infographic, an overview with student learning outcomes, printable PDF versions, downloadable resources, and activities such as a student success checklist and study schedule template.
 - **Study Scheduling:** The study schedule template supports pacing the course over either six weeks or two weeks.
- **TSIA2 Orientation And Diagnostics:** Units 1–4 explain the TSIA2 Mathematics test structure, scoring requirements, pre-assessment activity, and diagnostic testing, including how students can use their scoring reports to identify needed review areas.
 - **Test Information:** Unit 1 explains how the TSIA2 Mathematics test is structured, including the number of questions, scoring, and the diagnostic portion.
 - **Scoring Requirements:** Unit 2 reviews scoring requirements and provides related infographics and resources.
 - **Pre-Assessment:** Unit 3 explains the required pre-assessment activity and directs students to the process for completing it.
 - **Diagnostic Review:** Unit 4 covers diagnostic testing. Students who have already taken the TSIA2 can review their own scoring report and identify the math content areas requiring additional study.
- **Math Content Review And External Practice:** Units 5–8 cover quantitative, algebraic, geometric and spatial, and probabilistic and statistical reasoning through worksheets, explanatory videos, and targeted practice on MathHelp and Effortless Math.
 - **Content Areas:** Unit 5 reviews quantitative reasoning, Unit 6 algebraic reasoning, Unit 7 geometric and spatial reasoning, and Unit 8 probability and statistics.

- **Worksheets And Videos:** Each content unit begins with an infographic and overview, followed by topic-specific printable worksheets and videos that explain how to solve the worksheet problems.
- **MathHelp Practice:** Students are directed to MathHelp subtopics aligned with their diagnostic results, including whole numbers, factors and multiples, fractions, decimals, integers, expressions, equations, formulas, inequalities, and decimals and percents.
- **Effortless Math Practice:** Effortless Math provides aligned lessons, step-by-step instruction, skill quizzes, worksheets, study guides, and free graded practice tests. Students can choose lessons, worksheets, subtopic quizzes, or broader category quizzes based on their identified needs.
- **Test Strategies And Final Readiness:** Units 9–10 transition students from content review to test-taking strategies, full practice tests, formula resources, and a final success toolkit that includes additional study resources and an online graphing calculator.
 - **Test-Taking Strategies:** Unit 9 includes the top 15 tips for math success, strategies tailored to the adaptive TSIA2 Mathematics format, and common TSIA2 Mathematics mistakes.
 - **Practice Tests:** Unit 10 provides four printable practice tests, each paired with a video that works through every problem, plus links to a free printable math formula guide and six free instantly graded Effortless Math practice tests.
 - **Success Toolkit:** The final Math Success Toolkit consolidates the course resources and adds links to resources such as Khan Academy.
 - **Graphing Calculator:** The toolkit gives students an opportunity to practice with a free online graphing calculator because students cannot bring their own calculator to the test.