Texas Technology Applications
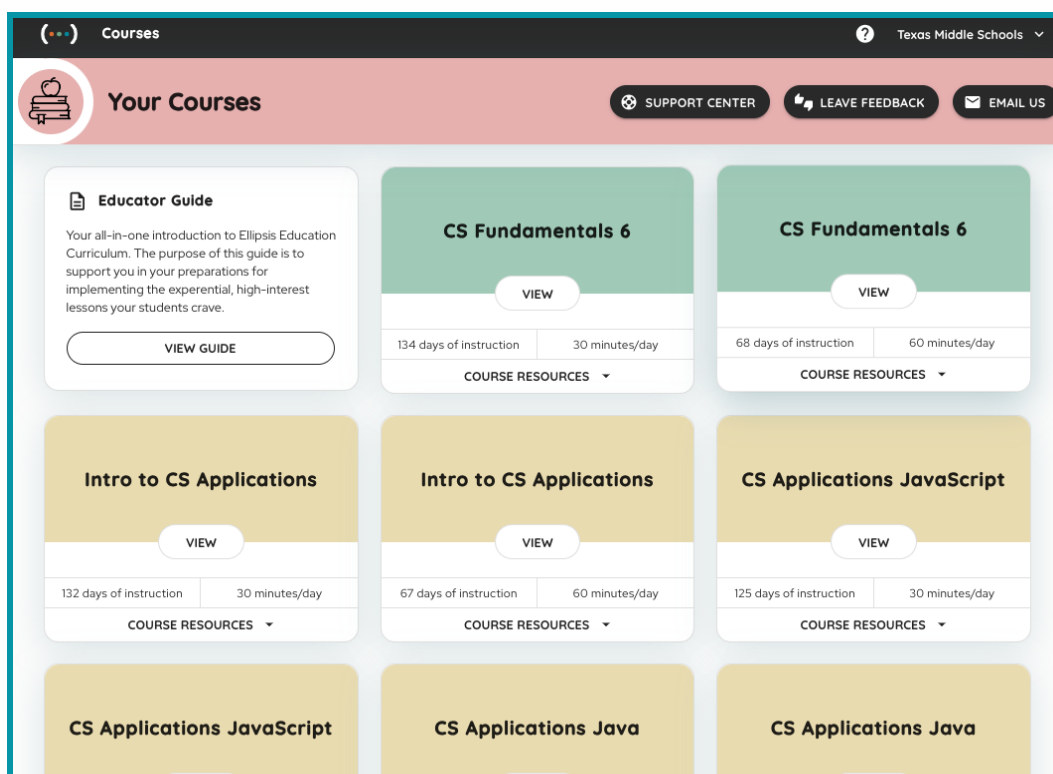### Grades 6-8

Curriculum Delivery Platform (CDP)

Follow the steps below to access Ellipsis Education curriculum:

- Click or enter the link: http://cdp.ellipsiseducation.com/courses
- Enter User Name: **TexasMiddleSchool@ellipsiseducation.com**
- Enter Password (case sensitive): **TexasMiddle1**
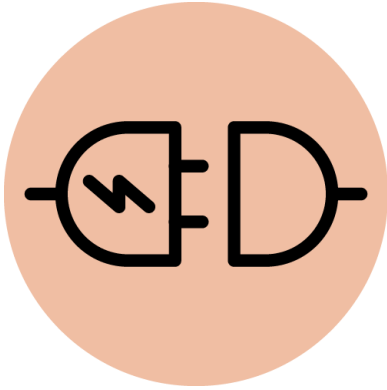- Click: **Sign In**

After successfully logging in, you will see a Dashboard listing Ellipsis Education middle school courses.

NOTE: Each grade level component is displayed as a 30-minute and 60-minute pacing "tile" but is the same component. The teacher dashboard will only display the pacing option that reflects the pacing guide selected by the district. The Curriculum Delivery platform automatically adjusts to reflect the selected pacing schedule.
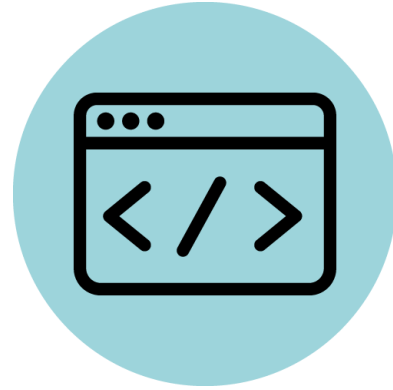
Curriculum Highlights

Computer science is more than just coding. It's also equipping students with the attitudes, knowledge, and skills necessary to thrive - in academic settings and beyond. That is why Ellipsis Education includes four lesson types: unplugged, coding, digital citizenship, and STEM careers. By implementing a curriculum that intentionally incorporates these lesson types, teachers can provide meaningful engagement, nurture connections to the world of work, use high-quality instructional practices, and increase access and equity within computer science education.

Unplugged

Create context for learning with hands-on activities, introducing new technical vocabulary, and building conceptual understanding.

Coding

Develop skills in block and text-based programming, engaging students as they cultivate computational, critical thinking, and problem solving skills.

Digital Citizenship

Discuss the importance of safe and ethical technology use, providing students with the skills they need to grow and thieves in the digital world.

STEM Careers

Explore the influence of computer science on all careers, encouraging students to connect interests with professional opportunities.

Courses

Ellipsis Education provides comprehensive middle school computer science courses for all skill levels. Start with block coding for students new to CS, and end with Java (the coding language used in the AP exam). The courses are purposefully designed to provide meaningful context and application of the Technology Application TEKS. Plus, students that take computer science in grades 6-8 are better prepared for high school pathways and beyond.

CSFun 6

Computer Science Fundamentals 6

Examine and cultivate fundamental computer science skills. Build apps and games and solve debugging challenges using Scratch. Discuss using technology to create a stronger community.

Intro to CSA

Intro to Computer Science Applications

Examine fundamental computer science concepts with JavaScript. Integrate conditionals, loops, and arrays in functions to enable user actions on a website. Discuss ethical online behavior and STEM careers.

CSA JavaScript

Computer Science Applications JavaScript

Use JavaScript and design best practices to solve real-world problems. Expand understanding of concepts including functions, conditionals, and arrays. Discuss collaboration and problem-solving techniques.

CSA Java

Computer Science Applications Java

Deepen existing computer science skills using Java. Explore loops, objects, methods, and classes to build applications like a fitness tracker. Discuss incorporating feedback and security measures

Device Compatibility Requirements

Ellipsis Education provides full-year computer science curriculum for K–12, and part of the course content involves the use of coding platforms. Below you'll find an overview of the technical requirements for each of the courses we offer.

- Computer Science Fundamentals, Grade 6
  - Students will require access to the Scratch coding platform.
    - Scratch will run in most current web browsers on desktops, laptops and tablets.
    - To save projects, students will need to create Scratch accounts. Scratch does not connect with any learning management systems.
    - An offline version of Scratch is also available for Windows, MacOS, ChromeOS, and Android.

- Intro to CS Applications, CS Applications JavaScript, and CS Applications Java, Grade 6-8
  - Students will require access to the website Replit.com throughout the course.
    - This website will act as their web based development environment throughout the class.
    - In addition to access, students will need to create Replit accounts through a traditional signup method or Google login.

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