Rye City School District Artificial Intelligence Parent University

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Agenda

- Overview: Executive Functioning & AI
- AI Stations:
  - **Growing Smart Habits:** Executive Functioning with AI in K–5
  - **The Middle School Shift:** Building Independence with AI
  - **Executive Functioning Amplified:** NotebookLM for Grades 6–8
  - **Executive Functioning Amplified:** NotebookLM for Grades 9-12

What is Executive Functioning?

Executive functioning is a **set of mental skills** that help us **plan, focus, remember instructions, manage emotions, and get things done.**

It's like the brain's management system that helps children organize themselves, make decisions, and follow through on tasks.

Executive functioning is the

"Orchestra Conductor"

of the brain.

Pillars of Executive Functioning

Working Memory and Attention

Inhibition and Impulse Control

Cognitive Flexibility

Organization And Planning

Goal Setting And Task Initiation

Emotional Control and Self-Monitoring

Benefits of Executive Functioning:

In everyday school life, executive functioning helps children:

- Start homework without reminders
- Keep track of materials and assignments
- Follow multi-step directions
- Manage time and meet deadlines
- Stay focused despite distractions
- Handle frustration and problem-solve

Notebook LM:

Your research and thinking partner, grounded in the information you trust

- Notebook LM is Google's source-grounded AI tool that builds a personalized model from the materials you upload—ensuring every response connects directly to your own content.

- Upload sources like PDFs, Google Docs, Slides, web links, and YouTube videos and Notebook LM will help you organize information, explore ideas, and create meaningful learning experiences.

- It can summarize documents, answer questions with citations, and generate resources like study guides, quizzes, mind maps, infographics, and even video/audio overviews.

Station Rotation

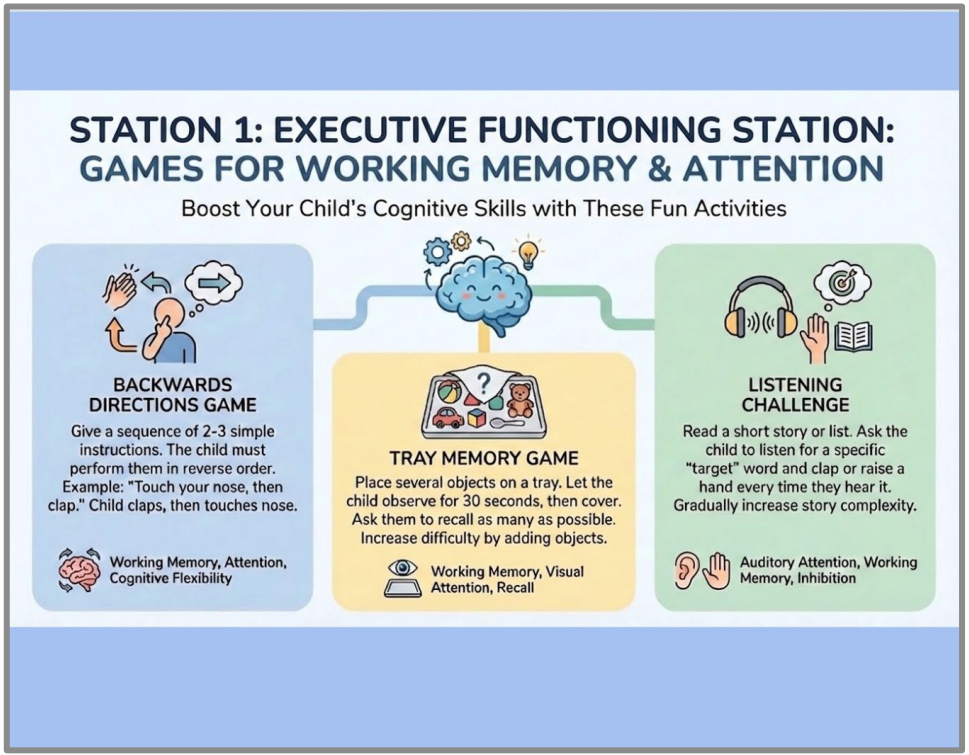
You will have the opportunity to visit any of the stations below. These stations will give you a sense of how you can support your children within specific lenses.

Growing Smart Habits: Executive Functioning with AI in K–5	The Middle School Shift: Building Independence with AI	Executive Functioning Amplified: NotebookLM for Grades 6–8	Executive Functioning Amplified: NotebookLM for Grades 9–12

Technology Setup

- Please log into your personal device
- Open your Wi-Fi settings:
  - Network Name: **Rye-Open**
  - No password required

Growing Smart Habits: Executive Functioning with AI in K–5



The Middle School Shift:
Building Independence with AI

Sixth graders entering middle school experience a significant shift with more independence, multiple teachers, changing schedules, and higher expectations. AI can serve as a thinking partner that supports executive functioning while still keeping responsibility with the student. The goal is to use it to guide and strengthen their thinking rather than complete the work for them.

This station will share practical tips for using AI to support executive functioning at the middle school level.

Specifically, we'll explore:

- Planning and Organization
- Task Initiation
- Sustaining Attention
- Working Memory Support
- Self-monitoring & Reflection
- Emotional Regulation & Stress Management
- Building Independence

Executive Functioning Amplified: NotebookLM for Grades 6-8

- **Executive functioning "brain skills"**: planning, organization, time management, starting tasks, and breaking work into steps.
- **School routines that support this**: use the **digital agenda** to preview upcoming lessons and due dates; access **class notes** in Google Classroom (GC).
- **NotebookLM as a support tool**: upload class notes, textbook pages, and teacher resources to create **summaries, study guides, and practice questions.**

Executive Functioning Amplified: NotebookLM for Grades 9–12

NotebookLM works only with the sources students upload (class notes, readings, slides, etc.), which keeps the focus on learning—not random internet searches.

- **Improves Organization**: Consolidates notes, slides, and readings into one structured workspace.
- **Builds planning skills:** Breaks assignments into manageable steps and study plans.
- **Supports focus:** Summarizes key ideas to reduce overload - allowing students to concentrate on understanding rather than searching.
- **Promotes independence and self-monitoring**: Encourages students to clarify confusion, generate practice questions, and check their understanding before seeking outside help.

Thank You!

- Thank you for joining our AI series.

We welcome feedback.

Please scan the QR code to share your thoughts on future parent sessions.