

Curriculum Night

5th Grade
STEAM Magnet
Mrs. Herrick & Mrs. Norling

The vision of the **Hanby Magnet School** is to embrace teaching and learning through a unique academic community that provides real world connections to **Math, Science, and the Arts.**

5th Grade Curriculum

- This curriculum map is a guideline for our school year. Activities and opportunities arise as the year progresses and we will be taking advantage of them. Occasionally, units run longer or are shorter than we have anticipated, so we remain flexible to accommodate our students' needs.

Language Arts: Reading

- Independent reading goals
- Study of story elements: characters, plot, setting, conflict and resolution
- Research: Native Americans, American History, Ecology, Art and Science History
- Literature circles: Native American, Historical Fiction, Author Study, Nonfiction texts
- Read Aloud books integrated with curriculum and community building
- iReady Reading practice – built into weekly schedule

Language Arts: Writing

- **Writing process**
 - **Main idea and details**
 - **Expressing ideas and information clearly**
 - **Paragraph and sentence form**
 - **Proofreading and editing**
 - **Grammar and application of writing conventions**
- **Research and note-taking for projects integrated with science and social studies**
- **Writing: fiction and nonfiction, personal narrative, opinion, poetry, journaling, creative writing**

Math Topics

- Fluency with Whole Numbers and Decimals
 - Place Value, Multiplication & Division of Whole Numbers. Addition, Subtraction, Multiplication & Division of Decimals
- Operations with Fractions
 - Addition & Subtraction with unlike denominators. Multiplication and Division
- Geometry and Measurement
 - Algebra: Patterns and Graphing
 - Convert Units of Measure
 - Geometry and Volume
- All 5th grade core standards are covered in 7 modules - Bridges

Making Mistakes

They make you smarter.

It's science! According to a journal article published in the *Association for Psychological Science*, “For individuals with a growth mind-set, who believe intelligence develops through effort, mistakes are seen as opportunities to learn and improve. For individuals with a fixed mind-set, who believe intelligence is a stable characteristic, mistakes indicate lack of ability.”

With a growth mind-set, which is possessed by most high achievers, mistakes are your biggest chance at getting better and smarter.

Manipulatives & Models are important steps to understanding mathematical concepts

- First with 3D materials used over time in multiple settings
- Then side-by-side with the materials, using 2D representations.
- And finally, by encouraging students to construct and use mental images

Bridges Components

- Problems and Investigations
- Math Forum- Sharing problem solving strategies
- Problem Strings - develop one strategy
- Work Places - Games
- Number Corner

https://bridges.mathlearningcenter.org/digital-materials/calendar-grid-september#page_0

Social Studies

- Geography skills and Timelines
- Early American Cultures
- Native American Regional Study
- Human interaction with environment
- Cultural Diversity
- Types of Government
- Economics

Native American Fiber Art



Economics Experiences

- Chocolate Paradise- Service Learning
 - Hands on long term project integrating all curriculum areas
 - Create a business to produce and sell chocolates to Hanby community for Valentine's Day
 - Production Day if selling items
 - Integrated with research and learning about homelessness and food insecurity in greater Columbus metropolitan area
 - All profits are donated

Science

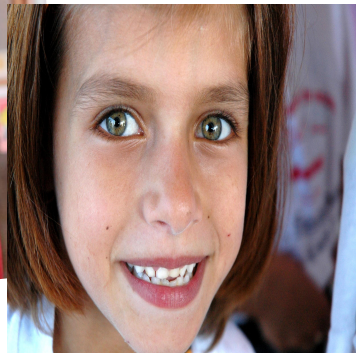
- Life Science
 - ecology, biomes, food chains, conservation, endangerment
- Earth and Space Science
 - relationship of the earth, sun, and moon
 - stars, planets, seasons
 - water resources
- Physical Science
 - atoms, matter, chemical changes
- Health: integrated science, language arts, DARE
- Enrichment Projects and Activities
- Mystery Science – new curriculum 2022
 - high interest, hands-on activities



STEAM Integration

- The arts, science and math are integrated into curricular areas
- Our specialist teachers also work to plan and carry out projects and experiences
- Whole school experiences: Plays, speakers, walking field trips, Columbus Children's Theater, Generations Holiday Dance Program
- Past Fifth Grade Experiences: Blendon Woods, "All That Jazz" with Columbus Jazz Orchestra, Columbus Arts Walk, Ohio State University Planetarium, Columbus Museum of Art, Franklin Park Conservatory, The Frank Museum

We don't only teach
academics at Hanby....
we teach the **whole child.**



Schedule

- Special – Monday – Friday schedule
 - Posted on website
- Three Blocks – ELA, Math , Science/Social Studies
- Read aloud (includes class discussion)
- Library – Monday
- DARE – Monday – 1st semester
- Technology incorporated into curriculum

Nourishment

- We encourage all students to eat breakfast before school starts to fuel their bodies. If a child needs to eat breakfast at school, they can bring the breakfast to the classroom which will avoid a marked tardy or absence.
- Students should bring a snack for mid-morning. We do not eat lunch until 12:45
- Water bottles are also welcomed and should be labeled with child's name in permanent marker. The water bottles can be filled at school and, if reusable, will be sent home on Friday to be washed.



Birthday Celebrations at Hanby

As we begin the school year, Hanby Elementary School has adopted a birthday celebration policy. Due to the ever-growing number of students with various food allergies, we want to protect those students from an allergic reaction. These guidelines also allow us to take an active role in promoting, supporting, and modeling healthy eating habits for our students.

Below are our school's approved choices for alternatives to food treats:

- Donate a book to your child's classroom or to our school library's Birthday Book Club. You may want to contact your child's teacher for book suggestions.
- Donate an indoor recess game to your child's classroom.
- Distributed small tokens such as stickers, birthday pencils, or pencil toppers to the class.
- Provide an autograph book or tee shirt for your child that classmates can sign.

We appreciate your partnership as we implement our new school practices. Please note that any food-item sent to school will NOT be opened or distributed and will be returned home with the child.



HANBY

Cell Phone / ELECTRONICS POLICY



While students are permitted to bring cell phones, they must remain turned off and secured in a book bag prior to entering the school building or boarding the bus. They are not allowed to be out and/or used in classrooms, out on the bus, or on the playground. They should never be seen or heard.

- **ELECTRONIC DEVICES AND TOYS ARE NEVER PERMITTED ON THE PLAYGROUND. THIS INCLUDES IPODS, IPADS, CELL PHONES, DS, GAMEBOYS, PLAYSTATIONS.**
- **Please note that video recordings, photographs of students during the school day on school property can be a legal issue.**
- **Parents will be responsible for picking up the device if taken from a students who violates this policy.**

Contacting the Teachers

- **E-mail** - We check our e-mail multiple times during the day and this is the best form of communication. We will respond as soon as possible.
- Please do not send e-mails regarding changes in transportation. Call the office with such changes by 3:00 PM.

Contact Information

Hanby Elementary

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www.hanby5.weebly.com

Remind app – sign up please!