

Parent Power session

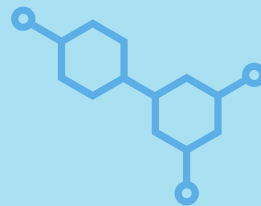
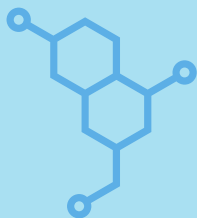
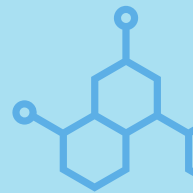
Mar. 26, 2024



Welcome and introductions

Nancy Wright - Science TOSA

Kristen Eng Popper - GATE TOSA

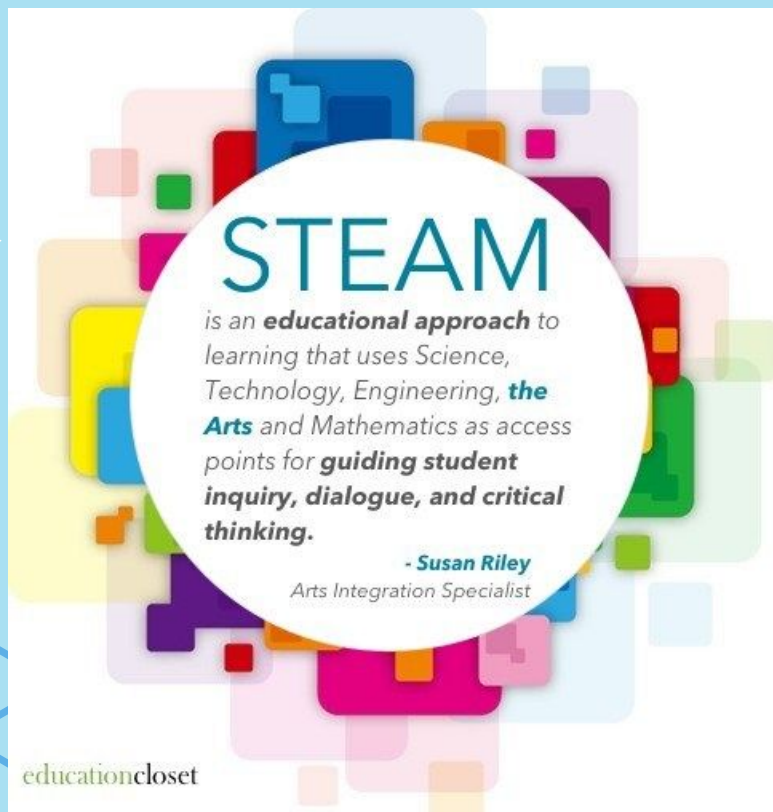


Topics

1. Welcome & Introductions
2. STEAM Showcase
3. STEAM Challenge
4. GATE & the NNAT



Our STEAM Dream



Rationale for developing a STEAM Innovation Showcase:

- Inspire students to create, think, build & solve problems.
- Encourage different types of learners to participate.
- Allow for a celebration of learning for all students in HUSD.
- Showcases deeper learning.

STEAM Spotlights

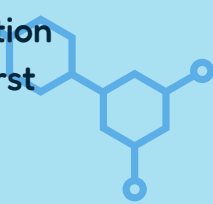
Nina Tandon - American Biomedical Engineer

CEO and co-founder of EpiBone, the world's first company growing living human bones for skeletal reconstruction. Tandon aims to create a process where an entire human organ can be grown. Eventually, Tandon's work could lead to personalized medicine, to incorporate growing bones from a human's own cells and producing custom drugs and medicines created specifically for an individual.



Kiara Nirghin - South African Inventor

At the age of just 16, Kiara won the Google Science Fair award with a new material made from orange and avocado peels that can hold up to 300 times its weight in water. The polymer created can be planted alongside crops acting as small reservoirs of water. Nirghin's invention was able to improve the situation in her country as it faced the worst drought in 30 years.



Our STEAM Showcase Story



2015 - Traditional Science Fair - culmination of GATE year.

2018 - Partnered with Family Tech Awareness Day.

2019 - Engineering category added.

2020- First virtual STEAM Showcase. Students utilized FlipGrid to showcase their learning.

2021- Virtual STEAM Showcase included a drive-through celebration.

2022 - Virtual STEAM Showcase and in-person STEAM family workshops.

2023 - In person at Hayward High STEAM building!

Continuing the STEAM Showcase Journey



The HUSD STEAM Showcase is growing to be a true showcase of HUSD STEAM learning!

Highlight all STEAM programs at Hayward schools!

STEAM Showcase 2024



**2024 - STEAM Showcase
scheduled for Friday evening.**

Students will attend with their families on the evening of the Showcase, **5/17, 4-7pm** to present their projects & engage in family STEAM activities.

STEAM Showcase 2024

2024 - STEAM Showcase theme (optional)

Be the Change our Earth needs!

How do you use STEAM to fight Climate Change or encourage others to do the same?



STEAM Showcase 2024

2024 - STEAM Showcase theme (optional)

Be the Change our Earth needs!

What ideas do you have for STEAM projects with positive environmental impact that can be done at home?

Share your thoughts!



How to Get Students Involved

2024 STEAM Showcase participation options:

- Entire class - talk to your teacher!
- Group projects - mixed grade/family
- Individual - passion projects!

Sign up by May 1st.



Donor or evaluator suggestions?

Evaluation Process



1. Student arrives with project and sets up in designated spot
2. Student turns in name card to Evaluation desk and receives an appointment time.
3. Student meets Evaluator at their project at appt. time to present in 3-5 min.
4. Evaluator gives feedback on positives and extension ideas.



All students who present to an evaluator will receive a feedback card & a medal. All students who participate in the STEAM Showcase will receive a certificate.

Entire class project

Ms. Estrada's & Ms. Morita's Kindergarten Classes

HARDER Elementary

Three Little Pigs' House - Casa de los Tres Cochitos



We accept
video
presentations!

Entire class project

Ms. Nielsen's 3rd Grade Class-Eden Gardens Elementary

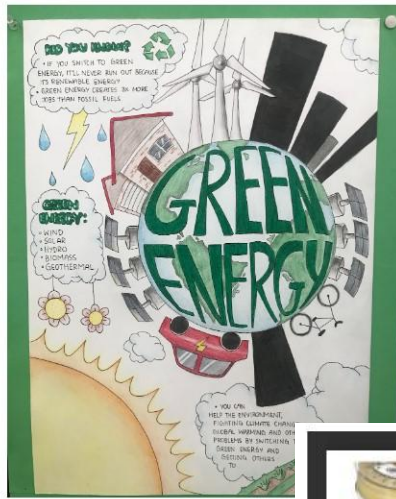
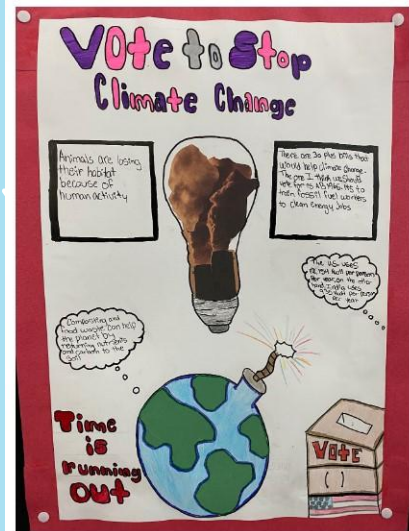


Inspired by Charlotte's Web, by E.B. White.

Using different materials, such as rock salt, cellophane, and rubbing alcohol, students explored the effects of each on water color painting.

Class project - individual/group

Ms. Kelly's 9th gr Classes
TENNYSON H.S.
Climate Change Posters



Ms. Kelly's 12th gr
Classes TENNYSON H.S.
Biomedical Inventions



Individual projects



Anabelle Leon
Hernandez

Project: "Morning Cereal Taste Test"

Schafer Park Elementary

1st Grade

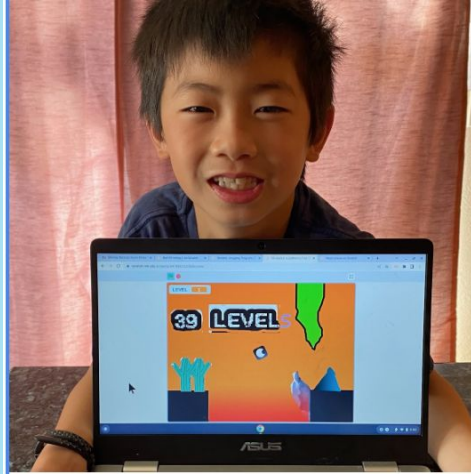


Amelie Leon
Hernandez

Project: "Morning Cereal Taste Test"

Schafer Park Elementary

4th Grade



Indigo Lee

Project: "39 Levels - A Platform Game"

Burbank Elementary

3rd Grade



Josue Barrera

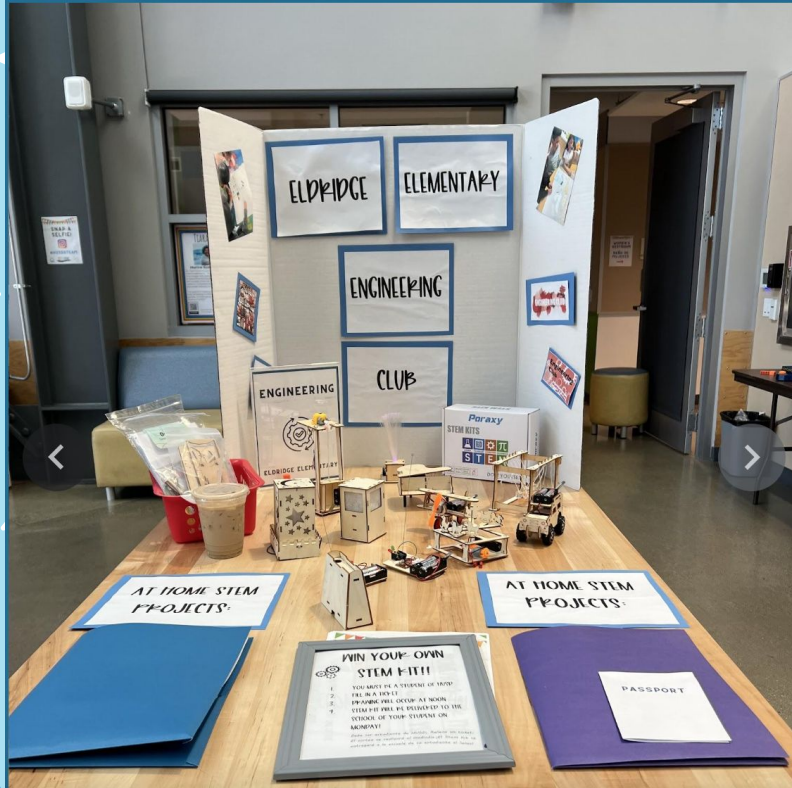
Project: "Quetzalcoatl Car"

Schafer Park Elementary

5th Grade

STEAM SHOWCASE
WEBSITE

Showcase a club or program!



Ms. Rudolph

ELDRIDGE ELEMENTARY

Engineering Club Projects

- 6 students entered on their own.

-Ms. Rudolph brought samples of other students work and highlighted their club by hosting an activity.

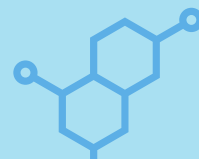
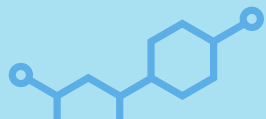
Parent Participation



1. **Support your student in preparing a project**
2. **Help your student's teacher with class participation**
 - Transporting projects
 - Providing info to other parents
3. **Volunteer at the STEAM Showcase!**
 - Run a station
 - Take photos
4. **Do you work in the field of STEAM? Be an evaluator!**



What questions do you have?



Time for some STEAM fun!

Engineering Challenge:

Take a piece of paper from your recycling bin (or that you were going to throw away).

Grab a pair of scissors.

Make your piece of paper **as long as possible**.

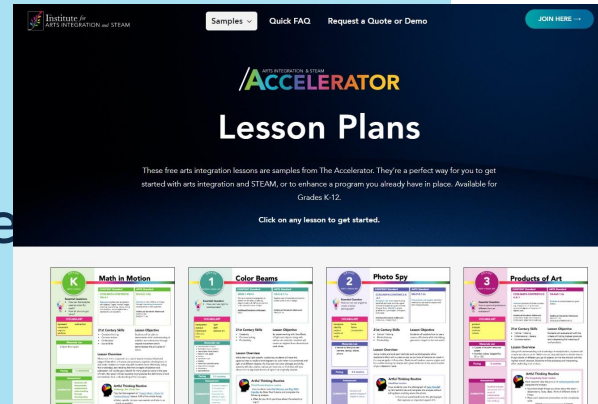
Can you make the paper taller than your scientist?



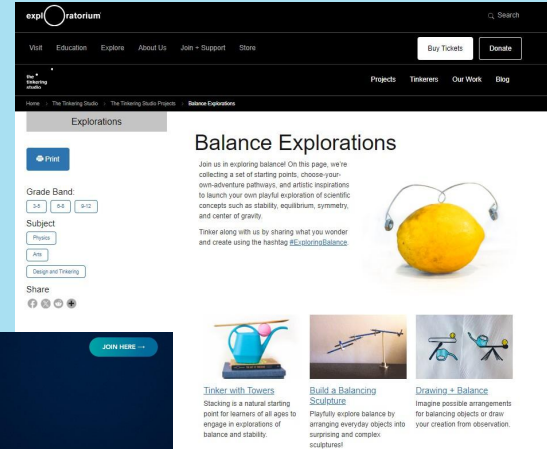
STEAM resources

Explore these web resources for ideas on how to bring STEAM learning into your classroom!

Have some to add? Let us know!



The screenshot shows the 'Accelerator Lesson Plans' website. At the top, there's a navigation bar with 'Samples', 'Quick FAQ', 'Request a Quote or Demo', and a 'JOIN HERE' button. The main heading is 'ACCELERATOR Lesson Plans'. Below this, a paragraph states: 'These five arts integration lessons are samples from The Accelerator. They're a perfect way for you to get started with arts integration and STEAM, or to enhance a program you already have in place. Available for Grades K-12.' A button below says 'Click on any lesson to get started.' The bottom of the image shows four lesson plan cards: 'K Math in Motion', '1 Color Beams', '2 Photo Spy', and '3 Products of Art'.



The screenshot shows the Exploratorium website. The top navigation bar includes 'Visit', 'Education', 'Explore', 'About Us', 'Join + Support', 'Store', 'Buy Tickets', and 'Donate'. The main heading is 'Balance Explorations'. Below this, there's a section for 'Grade Band' with filters for 'K-4', '5-8', and '9-12'. There's also a 'Subject' filter with 'Physics' and 'Art' options, and a 'Design and Thinking' button. A 'Share' section is at the bottom. The main content area features a large image of a yellow balloon with a string tied around it, and a smaller image of a balance scale. Text on the page includes: 'Join us in exploring balance! On this page, we're collecting a set of starting points, choose your own-adventure pathways, and artistic inspirations to launch your own playful exploration of scientific concepts such as stability, equilibrium, symmetry, and center of gravity.' and 'Tinker along with us by sharing what you wonder and create using the hashtag #ExploratoriumBalance'.



Gifted + Talented Education

NNAT 2023-24



What is GATE - Gifted and Talented Education?

Students with gifts and talents perform - or have the capability to perform - at higher levels compared to others of the same age, experience, and environment in one or more domains.

They require modification(s) to their educational experience(s) to learn and realize their potential.



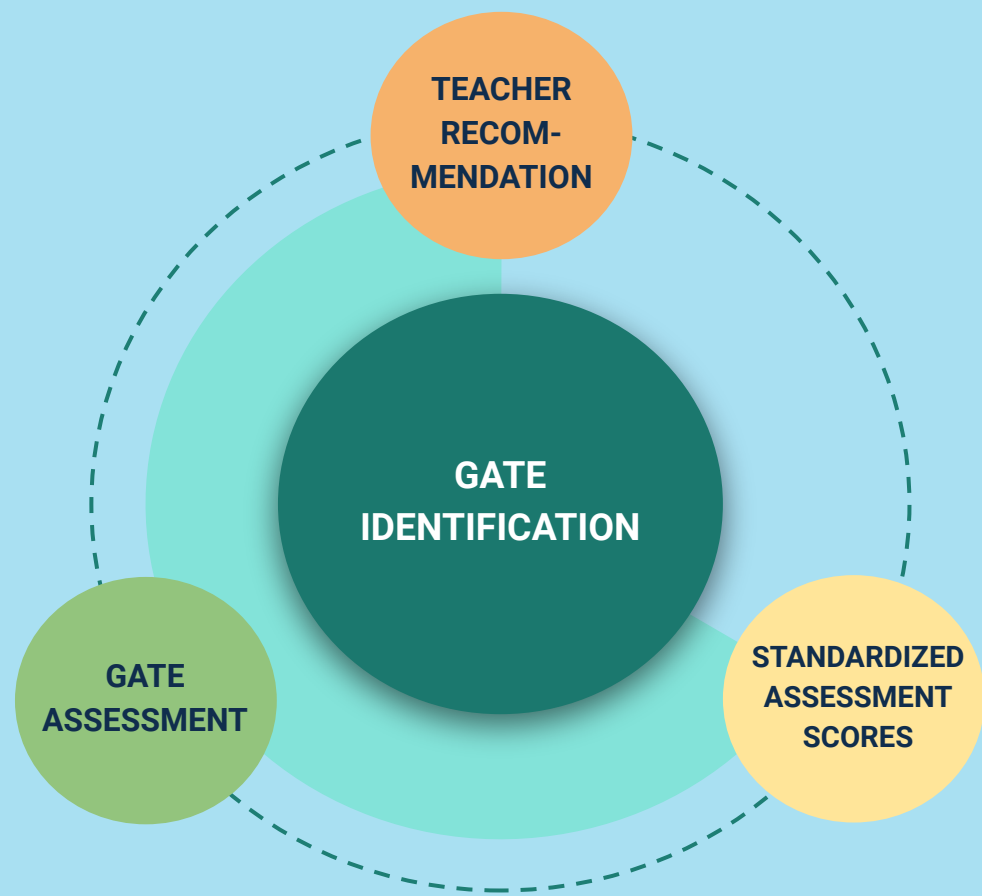
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HUSD's multiple-measure GATE identification process:

GATE Assessment - *cognitive ability*

Teacher recommendation based on classroom learning characteristics and work samples. - *behavioral observation*

Standardized assessment results (e.g. CAASPP, ELPAC, Universal Screener) - *content knowledge*



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What was... CogAT (Cognitive Abilities Test)

- GATE assessment used from school years 2015 to 2020. Also used pre-2009 with no enrichment program.
- Administered to all third grade students by classroom teacher. One hour each battery on three separate days.

In 2020, HUSD suspended use of CogAT and began researching alternative assessments based on concerns voiced by teachers:

- Cultural bias in verbal battery
- Use of instructional minutes
- Testing stress on students



Verbal Analogies - Practice Question 1

Directions: Figure out the relationship between the first pair of words. Then, choose the answer that relates to the third word in the same way that the first word relates to the second word.

Let's do a practice question.

green → grass: blue → _____.

A. cloud B. sky C. sun D. wind E. rain

How are **green** and **grass** related to each other? *[Give your child time to answer.]* Green is the **color** of grass.

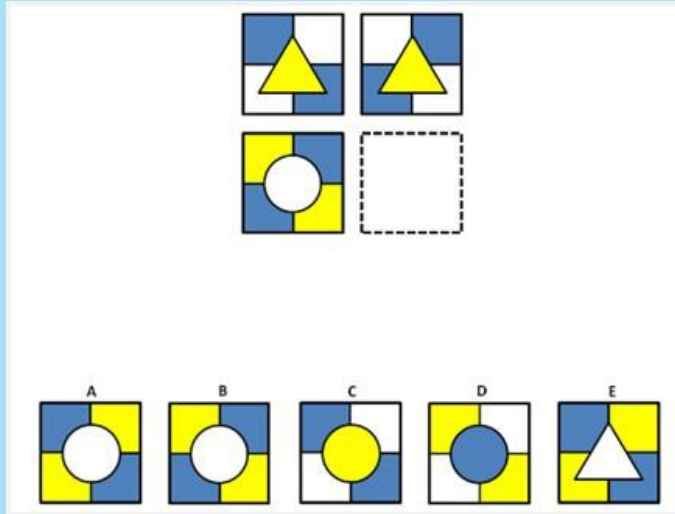
Which word in the row relates to **blue** in just the same way that **green** relates to **grass**? *[Give your child time to answer.]*

Blue is the color of the **sky** just like **green** is the color of **grass**, so **B – sky** is the best answer.



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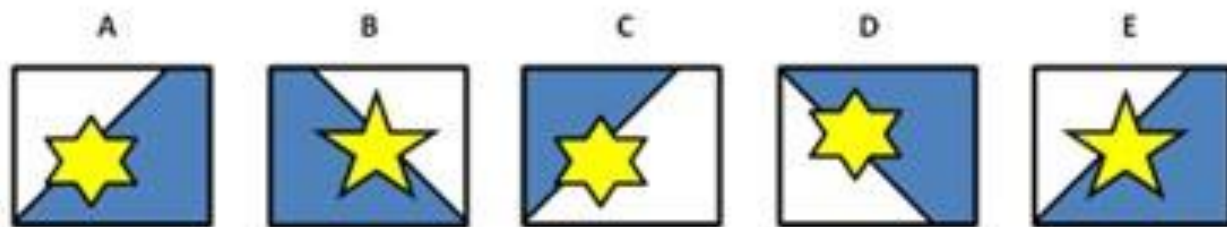
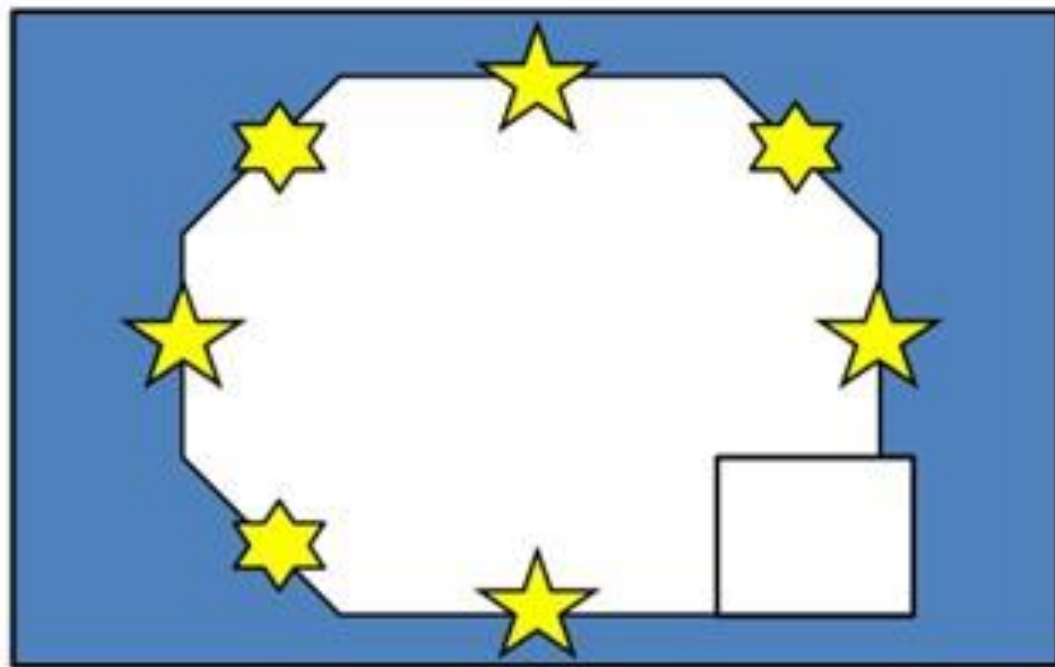
NNAT3 - Naglieri's Nonverbal Abilities Test

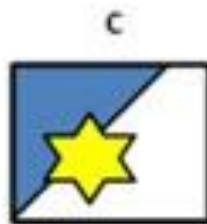
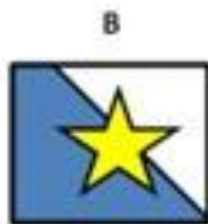
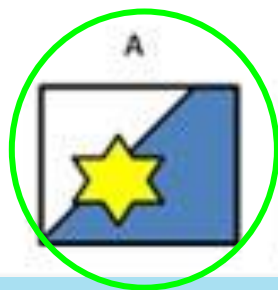
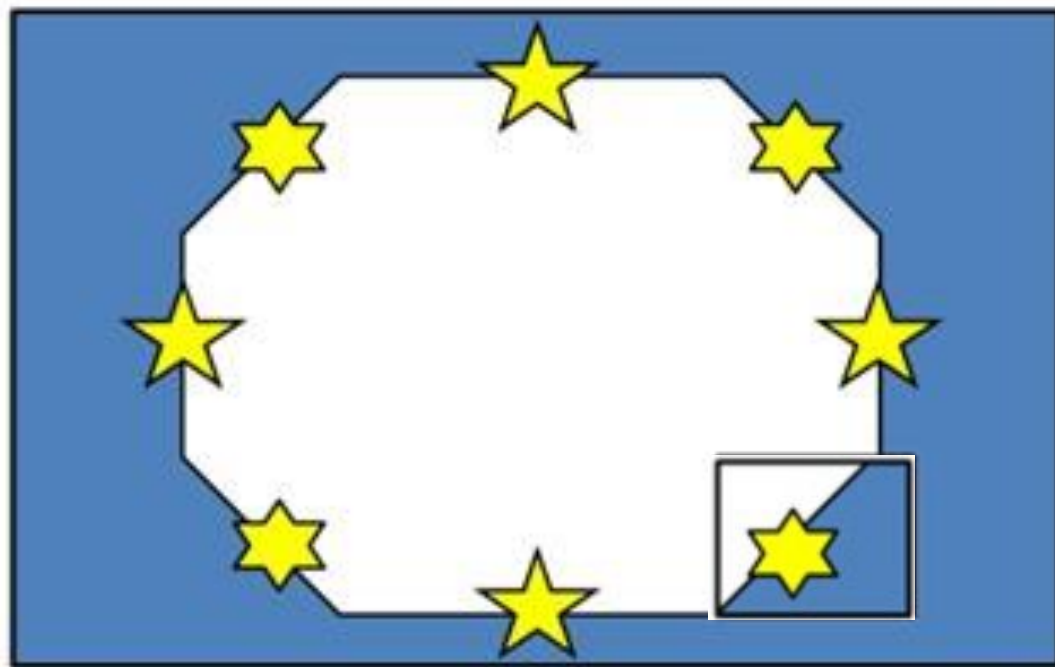


- Administered online to all third grade students by classroom teachers. 48 items.
- **Non-verbal only.** Students assess the relationships between stimuli and formulate hypotheses about the rules that govern the pattern of relationships.
- **TIME** - one 30m session + 15-20m setup time
- School sites choose their test dates between April 8-May 10, 2024 & will notify parents.



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3rd gr. Parent/Guardian notification



Dr. Jason Reimann, Superintendent
24411 Amador Street, Hayward, CA 94544 T 510.784.2600

February 12, 2024
Dear Parent/Guardian of:

The Hayward Unified School District (HUSD) Board of Trustees promotes the assessment of Hayward students to determine if they are eligible for Gifted and Talented Education (GATE) programs. Gifted and Talented Education programs are integrated into the instructional program of all schools in HUSD and are designed to meet the needs of students who consistently demonstrate abilities beyond those of other children of their same age. For more information from the National Association for Gifted Children about gifted and talented abilities, see: <https://bit.ly/2w89y8Q>.

The Hayward Unified School District uses the Naglieri Nonverbal Abilities Test (NNAT3) as one of several measures to assess and identify students for Gifted and Talented Education programs during their third grade year. The NNAT3 measures students' reasoning abilities through visual patterns. The NNAT3 has 48 multiple choice items, 30-minute test administration, and an online interface.

In March-May, your student is scheduled to take the NNAT3 assessment. There is no cost for this test for the student. You will be notified of the exact date of the test at your student's school. On the day of the test, please send your student to school well-rested, and with a fully charged Chromebook.

If you DO NOT wish for your student to take the assessment, please complete and return the slip below, or contact your student's teacher by March 13th.

If your student meets the criteria for GATE qualification, he/she will be eligible for next school year's program designed to provide opportunities for enrichment and challenge for gifted and talented students. You will receive a letter informing you of the results of the assessment later in the school year.

If you have questions about the NNAT3, or would like to know more about the assessment process, please contact your school principal. You may also contact HUSD Gifted and Talented Education: TOSA: Kristen Eng Popper: kpopper@hUSD.k12.ca.us, (510) 784-2600 ext. 72725

—detach and return bottom portion to the classroom teacher TO DECLINE ASSESSMENT ONLY—

____ I DO NOT consent to an assessment of my child using the NNAT3

Student Name: _____ Student ID#: _____ School Site: _____

Parent/Guardian signature: _____ Date: _____

Parent/Guardian Name printed: _____

Parent/Guardian phone #: _____ email: _____

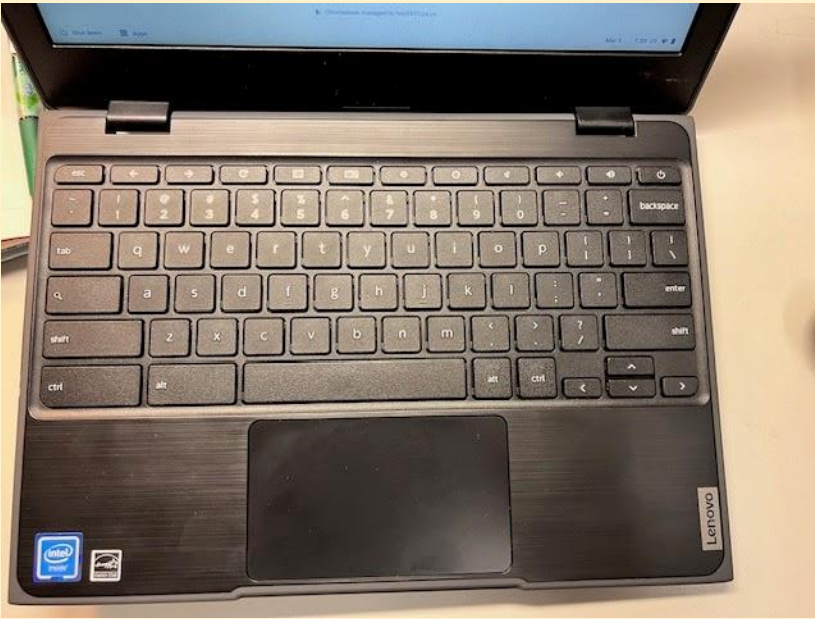


- NNAT notification letters sent to all 3rd grade homes during the first week of March.
- Families have the opportunity to decline by the end of March.
- NNAT 2024 results will not affect previous GATE designations.
- Declination slips will be returned to the office/or teacher.



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Preparing students for testing



Make sure students bring charged Chromebooks to school!

Encourage students to get a good night's sleep.

Encourage them to eat a healthful breakfast.



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Preparing students for testing

- Remind students to use the restroom prior to the testing session.
- Avoid calling it the “GATE test” to minimize pressure.
- Explain to students that the NNAT assessment gives teachers information about how they learn.



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Preparing students for testing



Encourage students to keep trying and not to get discouraged if they come to a difficult question, because the next item will be different.

We all think differently and we may see the pattern in one, but not another.



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NNAT home report sample

95th perce ntile

Click to
Enlarge



NNAT3

Naglieri Nonverbal Ability Test® Third Edition

SCHOOL: Pearson Demo Elem - 999999999999991
DISTRICT: Pearson Demo District - 999999999999999

STUDENT NUMBER: 870000
TEST DATE: 11/18/2020
AGE: 6 YRS 2 MOS
GRADE: K
NNAT3 LEVEL/FORM: LEVEL A FORM 1

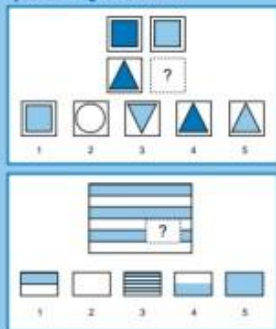
Purpose

The Naglieri Nonverbal Ability Test® - Third Edition is a brief nonverbal measure of general ability. The test questions are made of familiar abstract shapes. The instructions are straightforward and brief and can be given in different languages. The NNAT3 measures ability fairly for students from many different cultural and linguistic backgrounds.

Intended Use

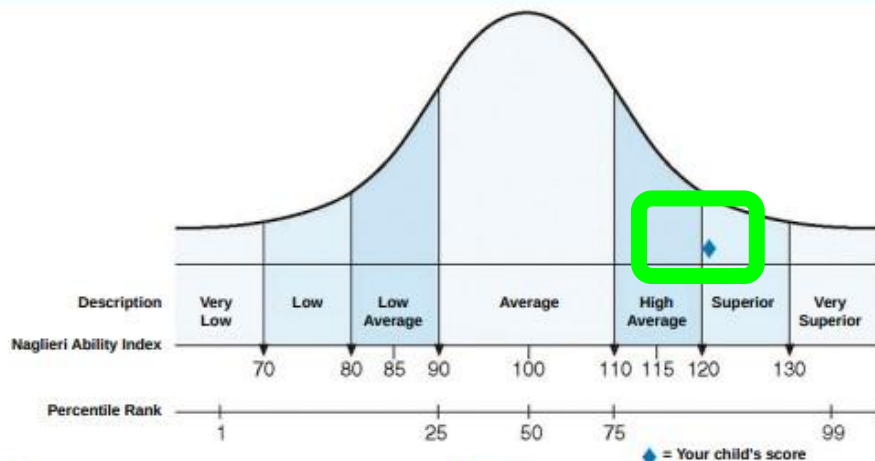
- As a nonverbal measure of general ability
- As a measure that evaluates ability of students from diverse populations who may use different languages or come from different cultures
- For the identification of gifted individuals, especially gifted students who come from culturally and linguistically diverse groups
- For the evaluation of students who are hearing impaired

Examples of Questions



Home Report | Student K

Your child was recently administered the Naglieri Nonverbal Ability Test® - Third Edition (NNAT3). This report contains an explanation of the NNAT3 and how your child performed.



121 NAGLIERI ABILITY INDEX (NAI)

Your child's score has been placed on the graph to show how it relates to the scores of other students of the same age. Most children's scores will fall between 90 and 110. Scores in this range are considered to be average. Fewer children will have scores that fall between 70 and 89, or between 111 and 130, and an extremely small number of children will have scores that fall below 70 or above 130. Use the Description on the graph to help you understand where your child's score falls.

90 PERCENTILE RANK

Percentile Ranks range from a low of 1 to a high of 99. This score is used to compare your child's performance to that of a national sample of students of the same age. For example, if a child who is six years old has a Percentile Rank of 75, this means the student scored as well as or higher than 75 percent of six year old students who were tested. Please note that Percentile Rank and percent correct represent two different performance measurements and have different interpretations.

For Explanation of Scores, visit the Support section of the Platform.

GATE identification process

My student has not been assessed, but I recognize my student's potential to be gifted and/or talented.

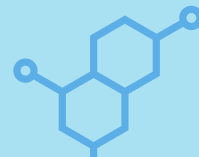
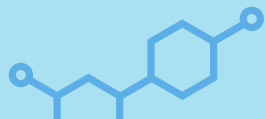
- Contact your principal to request an assessment using the NNAT.**
- After the third grade testing, schools will hold a make-up session for absent students and students who request assessment due to the pandemic, or who enrolled in HUSD after 3rd grade.**



Made in Hayward



What questions do you have?



Thank you!

See you at the
STEAM Showcase on
May 17th!

