

**Nursery Independent School District
Nursery, Texas**

**BOARD OF TRUSTEES
SPECIAL MEETING**

Monday, August 9, 2021 at 4:30 pm

MINUTES

I. CALL TO ORDER

The meeting was called to order at 4:32 PM. Board members present were Neal Stevenson, Missy Yearwood, and Anthony Zimmerman and superintendent Larry Gajewsky. Lily Hopper and Kristin Marek were also in attendance.

II. APPROVAL OF MEETING MINUTES

1. June 29, 2021

Missy Yearwood made a motion to accept the June 29, 2021, Board Minutes as presented. Anthony Zimmermann made the second. The vote carried unanimously.

III. PUBLIC FORUM

Description: Board members will listen to comments but only the Board President, as the designated spokesperson, may respond to the speaker if required. Those responses are limited to referring the speaker to applicable board policy or to the appropriate administrator.

- A. For Posted Agenda Items
- B. For Non-Posted Agenda Items

IV. INFORMATION ITEMS

A. None

V. UNFINISHED/NEW BUSINESS

- A. Budget Workshop 2021-2022 School Year
The Board participated in a Budget Workshop lead by Region 3, Kristin Marek.
- B. Consider and approve the date, time, and place for the public hearing along with the public meeting to discuss the budget and proposed tax rate for the 2022 fiscal year.
Neal Stevenson made to the motion for the public hearing to be held at Nursery ISD on August 30, 2021, at 5:00 p.m. Missy Yearwood made the second. The vote carried unanimously.
- C. Consider and propose the M&O Tax Rate to be published in the public notice.

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A motion was made by Neal Stevenson to propose a M&O Tax Rate of .9483, which includes the 5th penny. This was seconded by Missy Yearwood. The motion carried unanimously.

D. Consider and propose the I&S Tax Rate to be published in the public notice.

Neal Stevenson made the motion to propose the I&S Tax Rate of .0953. Missy Yearwood made the second. The motion passed unanimously.

E. Consider and Approve or Take Action regarding the outcome of the Budget Workshop related to and including postings, timelines, and other requirements related to the 2021-2022 NISD Budget.

No Action Taken

F. Consider and approve the ARP ESSER III Plan.

Dr. Gajewsky provided information regarding the ESSER III plan and Grant. A motion was made by Missy Yearwood and seconded by Anthony Zimmerman to consider and approve the ARP ESSER III Plan. The vote carried unanimously.

G. Consider and approve the agreement for the purchase of the Attendance Credit Contract for the 2021-2022 school year and the delegation of authority to the Superintendent to submit the contract on behalf of the district.

Neal Stevenson made the motion to delegate the authority to the superintendent for the purchase of attendance credits. He read, "For the 2021-2022 school year, we delegated contractual authority to obligate the school district under Texas Education Code (TEC) §11.1511(c)(4) to the superintendent, solely for the purpose of obligating the district under TEC, §48.257 and TEC, Chapter 49, Subchapters A and D, and the rules adopted by the commissioner of education as authorized under TEC, 49.006. This included approval of the Agreement for the Purchase of Attendance Credit or the Agreement for the Purchase of Attendance Credit (Netting Chapter 48 Funding)." Missy Yearwood made the second. The vote carried unanimously.

H. Consider and approve 2021-2022 Student Code of Conduct and the 2021-2022 Student Handbook.

Neal Stevenson made the to approve the 2021-2022 Student Code of Conduct and the 2021-2022 Student Handbook. Anthony Zimmermann made the second. The vote carried unanimously.

I. Consider and approve the NISD School of Innovation plan.

No Action Taken

J. Consider and approve on TASB Policy Update 117.

Discussion incurred regarding TASB Policy 117 Update. The vote was split into two parts. Anthony Zimmermann made a motion that the board would like prior notification related to granting the superintendent authority to enter into emergency contracts. Neal Stevenson made the second. The vote carried unanimously.

Related to the declaration of compensation of benefits for leaves and absences: Neal Stevenson made the motion to accept the remaining portion of TASB Update 117 as presented. Missy Yearwood made the second. The vote carried unanimously.

THEORY OF QUANTUM MECHANICS

CHAPTER I

1.1. The wave function $\psi(x, y, z, t)$ is a complex-valued function of the coordinates x, y, z and time t . It is the probability amplitude for finding a particle at the point (x, y, z) at the time t .

1.2. The wave function $\psi(x, y, z, t)$ satisfies the Schrödinger equation

$$-\frac{\hbar^2}{2m} \nabla^2 \psi + V(x, y, z) \psi = i\hbar \frac{\partial \psi}{\partial t}$$

1.3. The wave function $\psi(x, y, z, t)$ is normalized so that the total probability of finding the particle somewhere in space is equal to 1.

1.4. The wave function $\psi(x, y, z, t)$ is a solution of the Schrödinger equation if and only if it satisfies the boundary conditions

$$\psi = 0 \quad \text{at} \quad x = 0, \quad x = a, \quad y = 0, \quad y = b, \quad z = 0, \quad z = c$$

1.5. The wave function $\psi(x, y, z, t)$ is a solution of the Schrödinger equation if and only if it satisfies the boundary conditions

$$\psi = 0 \quad \text{at} \quad x = 0, \quad x = a, \quad y = 0, \quad y = b, \quad z = 0, \quad z = c$$

1.6. The wave function $\psi(x, y, z, t)$ is a solution of the Schrödinger equation if and only if it satisfies the boundary conditions

$$\psi = 0 \quad \text{at} \quad x = 0, \quad x = a, \quad y = 0, \quad y = b, \quad z = 0, \quad z = c$$

1.7. The wave function $\psi(x, y, z, t)$ is a solution of the Schrödinger equation if and only if it satisfies the boundary conditions

$$\psi = 0 \quad \text{at} \quad x = 0, \quad x = a, \quad y = 0, \quad y = b, \quad z = 0, \quad z = c$$

1.8. The wave function $\psi(x, y, z, t)$ is a solution of the Schrödinger equation if and only if it satisfies the boundary conditions

$$\psi = 0 \quad \text{at} \quad x = 0, \quad x = a, \quad y = 0, \quad y = b, \quad z = 0, \quad z = c$$

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K. Consider and approve Capital Projects for NISD.

The Superintendent presented a list of capital projects. Due to the timeline of receiving the items or services, these items will be purchased after September 1, 2021 using fund balance. These items and approximate values include:

- 1. 36K to Compadres for the 9' Marquee*
- 2. 10K to Wendt Electric for the boring and install of the 200 amp tower*
- 3. 15K to CCC LLC for two new Dell servers*
- 4. 5K for Touchless water fountains*
- 5. 4.5K for Library Books*
- 6. HVAC in studio*

The AC unit in in the Studio will be paid out of next years Maintenance and Operations budget.

A motion was made by Anthony Zimmerman and seconded by Missy Yearwood to consider and approve Capital Projects for NISD. The vote carried unanimously.

VI. CLOSED MEETING

Closed session began at 6:20 p.m.

Closed Session: Consultation with legal counsel regarding personnel matters. Tex. Gov't Code Section 551.071, 551.074 and 551.129:

- A. The Board may seek the advice of the attorney for the governmental body on matters that are protected by the attorney/client privilege (TGC 551.071)
- B. The Board will discuss resignations and retirement of personnel (TGC 551.074)
- C. The Board will discuss employment of personnel (TGC 551.074)

VII. OTHER BUSINESS

The Board reconvened at 6:44 p.m. No Action was taken.

VIII. ADJOURNMENT

Neal Stevenson made the motion to adjourn at 6:45 p.m. Missy Yearwood the second. The vote carried unanimously and ended at 6:45 p.m.

Mathematical Induction

Let $P(n)$ be a statement involving the natural number n . To prove that $P(n)$ is true for all natural numbers n , we use the principle of mathematical induction. The principle consists of two steps: (i) **Base Case:** Prove that $P(1)$ is true. (ii) **Inductive Step:** Assume that $P(k)$ is true for some arbitrary natural number k . Then, prove that $P(k+1)$ is also true. If both steps are satisfied, then $P(n)$ is true for all natural numbers n .

Example: Prove that $1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$ for all natural numbers n .
 Solution: Let $P(n)$ be the statement $1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$.
 (i) Base Case: For $n=1$, $1 = \frac{1(1+1)}{2} = 1$. So, $P(1)$ is true.
 (ii) Inductive Step: Assume $P(k)$ is true, i.e., $1 + 2 + 3 + \dots + k = \frac{k(k+1)}{2}$. We need to show that $P(k+1)$ is true, i.e., $1 + 2 + 3 + \dots + (k+1) = \frac{(k+1)(k+2)}{2}$.
 LHS = $1 + 2 + 3 + \dots + k + (k+1) = \frac{k(k+1)}{2} + (k+1)$ (by inductive hypothesis)
 $= \frac{k(k+1) + 2(k+1)}{2} = \frac{(k+1)(k+2)}{2}$
 = RHS. Hence, $P(k+1)$ is true. By the principle of mathematical induction, $P(n)$ is true for all natural numbers n .

Example: Prove that $2^n > n$ for all natural numbers n .
 Solution: Let $P(n)$ be the statement $2^n > n$.
 (i) Base Case: For $n=1$, $2^1 = 2 > 1$. So, $P(1)$ is true.
 (ii) Inductive Step: Assume $P(k)$ is true, i.e., $2^k > k$. We need to show that $P(k+1)$ is true, i.e., $2^{k+1} > k+1$.
 LHS = $2^{k+1} = 2 \cdot 2^k > 2 \cdot k$ (by inductive hypothesis)
 $> k+1$ (since $2k > k+1$ for all $k \geq 1$).
 Hence, $P(k+1)$ is true. By the principle of mathematical induction, $P(n)$ is true for all natural numbers n .

$$1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$$

$$2^n > n$$

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$$2^n > n$$

$$1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$$

$$2^n > n$$

**Nursery Independent School District
Nursery, Texas**

Approved  Date 8/22/21
Neal Stevenson, President
Nursery School Board

Approved  Date 9/27/21
Anthony Zimmerman, Secretary
Nursery School Board

PROCEEDINGS OF THE
GENERAL ASSEMBLY

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RESOLUTIONS
AND
REPORTS

