

Proposed 2019-2020 DaVinci Academy Land Trust Plan

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Distance Elementary Science Goal

Goal #1

Increase student understanding of core science concepts by 10% in distance elementary.

Academic Areas

- Science

Measurements

Science benchmarks

Action Plan Steps

1. Teachers will plan hands-on science lessons that allow students to experiment, manipulate, and evaluate science concepts.
2. Students will be assessed and given feedback on these projects.
3. Teachers will benchmark students each quarter and measure their progress.
4. Teachers will review benchmark data quarterly and make adjustments to meet land trust goal.

Expenditures

Category	Description	Estimated Cost
		Total: \$16,000
General Supplies (610)	Magnatiles, Legos Base Plates, Legos, other science manipulatives	\$6,000
Equipment (Computer Hardware, Instruments, Furniture) (730)	Laptops and charging cart	\$10,000

Distance Elementary Reading Goal

Goal #2

Increase reading comprehension and fluency by 10% as measured on Dibels in the distance elementary program.

Academic Areas

- Reading

Measurements

Dibels reading assessment or similar reading assessment and other approved reading programs.

Action Plan Steps

1. Students will be given the Dibels reading assessment or similar reading assessment three times a year.
2. All students will use the reading intervention programs as indicated in the reading plan.
3. Teachers will use student assessment data to adjust reading interventions.

Expenditures

Category	Description	Estimated Cost
		Total: \$4,000
Textbooks (641)	One minute readers, novels, history texts, reference books	\$4,000

Onsight Elementary Science Goal

Goal #3

Increase student science scores by 10% in the onsite elementary program.

Academic Areas

- Science

Measurements

Student understanding will be measured by administering quarterly science benchmarks.

Action Plan Steps

1. Tie planned science units to community partners in order to establish field trip opportunities.
2. Plan field trips for the year, one per quarter.
3. Track science benchmark data each quarter with a goal of 80% proficiency.
4. Compare pre and post-field trip assessments to determine the effects of field trips on student knowledge of science topics.

Expenditures

Category	Description	Estimated Cost
		Total: \$5,000
Transportation/Admission/Per Diem/Site Licenses (510, 530 and 580)	Land trust money will be used to provide field trip transportation for K-6 grade students each quarter.	\$5,000

Onsight Elementary K-3 Reading Goal

Goal #4

80% of K-3 elementary students will meet their Lexia weekly usage minutes.

Academic Areas

- Reading

Measurements

We will track students weekly usage minutes every week.

Action Plan Steps

1. Purchase tablets for kinder students to use
2. Re-assign the computer cart from kindergarten and assign it to 1st grade for 1-to-1 ratio.
3. Purchase a computer cart and computers for 2nd grade for a 1-to-1 ratio.
4. Purchase a computer cart and computers for 3rd grade for a 1-to-1 ratio.
5. Track Lexia usage and monitor the weekly usage report.

Expenditures

Category	Description	Estimated Cost
		Total: \$40,438
Equipment (Computer Hardware, Instruments, Furniture) (730)	Land trust funds will purchase tablets for Kinder students, laptops and carts for students in grades 1st through 3rd.	\$40,438

Band/Orchestra Class Goal

Goal #5

Increase student retention in band and orchestra by 10% by purchasing needed instruments for students.

Academic Areas

- Fine Arts

Measurements

Student enrollment numbers from 2018-2019 school year will be compared to 2019-2020 student enrollment numbers.

Action Plan Steps

1. Purchase needed student instruments for band and orchestra classes.
2. Offer more band and orchestra instruments for students to play.
3. Choose music pieces that accommodate the use of these needed instruments in band and orchestra.

4. Track student enrollment numbers of the band and orchestra students at the beginning and end of the year.

Expenditures

Category	Description	Estimated Cost
		Total: \$8,000
Equipment (Computer Hardware, Instruments, Furniture) (730)	Land trust funds will purchase these needed instruments for band and orchestra: Mack 3/4 Tuba Mack Euphonium Adams 1.5 Oct. Chimes Majestic 2.5 Oct. Bells Weiss 32 inch Chau Gong Weiss Gong Stand Gong Cord	\$8,000

Piano Class Goal

Goal #6

Increase student participation by 10% in the performing arts by offering a piano elective music class.

Academic Areas

- Fine Arts

Measurements

Student enrollment numbers in the performing arts from 2018-2019 will be compared to student enrollment numbers in 2019-2020.

Action Plan Steps

1. Purchase pianos for piano classes.
2. Offer piano classes with instruments for students to play.
3. Choose music pieces for piano classes
4. Track student enrollment numbers of performing art students at the beginning and end of the year.

Expenditures

Category	Description	Estimated Cost
		Total: \$10,000

Category	Description	Estimated Cost
Textbooks (641)	Land trust funds will purchase piano technique books and music books.	\$2,000
Equipment (Computer Hardware, Instruments, Furniture) (730)	Land trust funds will purchase 10 electric pianos and stands.	\$8,000

Secondary Math Goal

Goal #7

80% of Students will be able to complete independent practice of the concepts covered in class.

Academic Areas

- Mathematics

Measurements

One independent practice assignment per week will be used to measure the number of students who completed independent practice.

Action Plan Steps

1. Land trust funds will purchase active panels, tablets, and math manipulatives to improve student understanding of math concepts taught.
2. Teachers will choose one independent practice each week to use to count the number of students completing their independent practice.
3. Math teachers will chart the percent of students completing independent practice each week.
4. Flex time and homework lab will be used to help students who are not completing independent practice at an 80% mastery level.

Expenditures

Category	Description	Estimated Cost
General Supplies (610)	College prep supplies and math consumables.	\$1,000
Total:		\$46,562

Category	Description	Estimated Cost
Equipment (Computer Hardware, Instruments, Furniture) (730)	Land trust funds will purchase 2 active panels, color-graphing calculators, and tablets for math classrooms	\$19,241
Salary for math teacher	Math teacher	\$26,000

Secondary Science Goal

Goal #8

Increase science benchmark scores by 10% in AP Environmental Science, Botany, Plant Physiology, AP Biology, and Earth Systems by purchasing up-to-date textbooks with student resources.

Academic Areas

- Science

Measurements

Quarterly science benchmarks

Action Plan Steps

1. Determine the most appropriate textbook series to facilitate student engagement and learning
2. Land trust funds will purchase science textbooks and student resource materials.
3. Utilize textbooks in planning and instructing students during science lessons.
4. Use quarterly benchmark data to evaluate effectiveness in student learning.

Expenditures

Category	Description	Estimated Cost
		Total: \$4,500

Category	Description	Estimated Cost
Textbooks (641)	Land trust plans will purchase textbooks and student resource materials for AP Environmental Science, Botany, Plant Physiology, AP Biology, and Earth Systems.	\$4,500

Middle School Science Goal

Goal #9

Increase student understanding of middle school science core concepts by 10% in 2019-2020 school year.

Academic Areas

- Science

Measurements

Middle school science quarterly benchmarks.

Action Plan Steps

1. Land trust funds will purchase transportation passes and entry passes to planned science field trips for middle school students.
2. Middle school science teachers will plan science field trip locations that tie to middle school science core.
3. Student understanding will be measured by quarterly science benchmarks.

Expenditures

Category	Description	Estimated Cost
		Total: \$1,000
Transportation/Admission/Per Diem/Site Licenses (510, 530 and 580)	Land trust funds will purchase transportation and admission to planned science field trips for middle school science classes.	\$1,000

Anatomy and Med Terminology Goal

Goal #10

Increase student enrollment in Anatomy and Medical Terminology classes by 10% when compared to the 2018-2019 school year.

Academic Areas

- Science

Measurements

2019-2020 student enrollment in Anatomy and Medical Terminology classes compared to 2018-2019 student enrollment in the same courses.

Action Plan Steps

1. Buy the visual aids/models Anatomy and Medical Terminology courses.
2. Create more hands-on experiences for students in these classes.
3. Measure student engagement and retention in these classes.
4. Increase student enrollment and retention by matriculating Promote additional students enrolled at the OWTC because of taking these classes.

Expenditures

Category	Description	Estimated Cost
		Total: \$5,500
General Supplies (610)	Land trust money will purchase hands-on manipulatives and other learning materials for Anatomy and Medical Terminology.	\$5,500

Secondary Reading Goal

Goal #11

Increase student reading level by one grade level in middle and high school reading remediation classes in the 2019-2020 school year.

Academic Areas

- Reading

Measurements

Quarterly reading benchmarks in middle and high school remediation classes.

Action Plan Steps

1. Land trust funds will purchase novel sets for middle and high school reading remediation classes.
2. Teachers will use daily formative assessments, as well as periodical summative assessments to assess students understanding of each novel in connection to the specific state standard.
3. Teachers will design units around novels, once they are purchased, using the backward design model. Units will be designed quarterly and submitted in the yearly curriculum plan to the secondary director in August.
4. Teachers will submit benchmark data to secondary director at the end of each quarter with a reflection on the effectiveness of the novels.

Expenditures

Category	Description	Estimated Cost
		Total: \$5,000
Textbooks (641)	Land trust funds will purchase novel sets for middle and high school reading remediation classes.	\$5,000

Onsight K-6 Elementary Reading Goal

Goal #12

Establish a student-lending library for the 2019-2020 school year to increase reading literacy skills.

Academic Areas

- Reading

Measurements

Increase student literacy skills and test scores, including reading comprehension and fluency by 10% on school reading assessment.

Action Plan Steps

1. Land trust funds will purchase books and shelving for a new student-lending library.
2. Create a schedule for weekly library visits; each class will visit the library to check out books and review a targeted literacy skill once a week.
3. Open the library before and after school for student lending, quiet reading space and access to computers for extended learning such as Lexia.
4. Provide in-library in-service opportunities for teachers to collaborate between library time, library resources and their curriculum.
5. Use six-week school reading assessment to adjust reading interventions and use of library to meet K-6 reading goal.
6. Compare library time and teacher collaboration with reading assessment scores to determine the impact of the library on literacy skills.

Expenditures

Category	Description	Estimated Cost
		Total: \$20,000
Textbooks (641)	Land trust funds will purchase roughly 4,000 new elementary focused books for the new student-lending library.	\$12,000
Equipment (Computer Hardware, Instruments, Furniture) (730)	Land trust funds will purchase shelving for new books bought through land trust funds.	\$8,000

Summary of Estimated Expenditures

Category	Estimated Cost (entered by the school)
	Total: \$158,376
Transportation/Admission/Per Diem/Site Licenses (510, 530 and 580)	\$10,000
General Supplies (610)	\$8,000
Textbooks (641)	\$48,000
Equipment (Computer Hardware, Instruments, Furniture) (730)	\$92,376

Funding Estimates

Estimates	Totals
Estimated Carry-over from the 2018-2019 Progress Report	\$12,360

	Estimates	Totals
Estimated Distribution in 2019-2020		\$146,016
	Total ESTIMATED Available Funds for 2019-2020	\$158,376
Summary of Estimated Expenditures For 2019-2020		\$158,376
This number may not be a negative number	Total ESTIMATED Carry Over to 2020-2021	\$0