

# Chapter 78: Decreasing Environmental Impact by Limiting Printing of Books

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## 1 OBJECTIVE/GOAL(S) OF THE PROJECT

The goal of my capstone project is to reduce books consumption and needless throwing it away of books at the end of the school year. I would like to show what the schools can do to reduce this waste I want to research how we can save these books and money. I want to compare the cost of printing books in the first year and during four years later and compare how that effects the environment. This could lead to how the students respect books and how we can keep students' environment healthy by reducing waste

I want to research what are the benefits of leaving school books in the class, and having other students the next year use it, why the students finish homework in the school not in the home? And how a student keeps studying when he leaves the books in school and how can parents follow their children's studies.

In my country millions of copies of books are printed for students and at the end of the school year the student throw books away , this increases environmental pollution ( house green ) and reduces the required sustainability

## 2 Goals

My goals are to

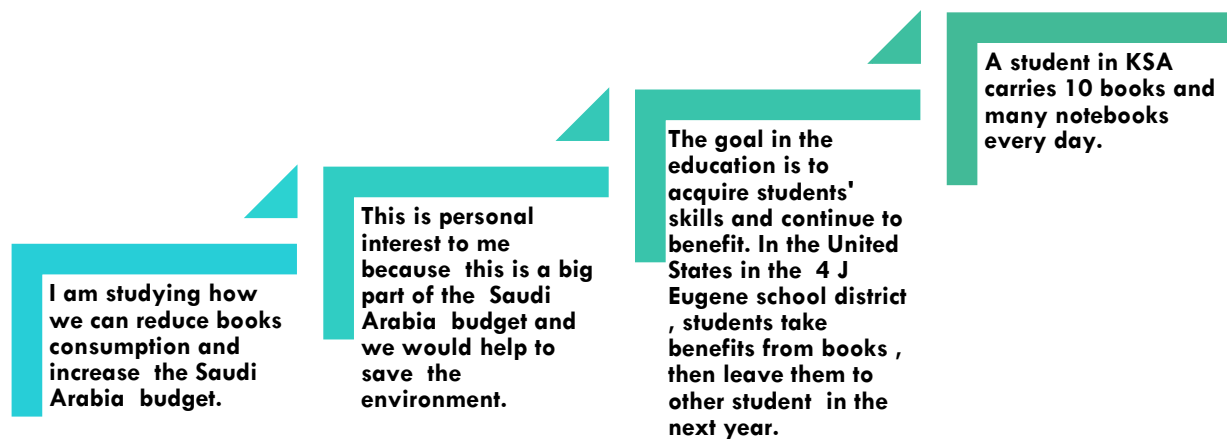
- 1-Raise the state budget.
- 2-Keep students healthy.
- 3-Reduce books damage.
- 4-Decreas Environmental Impact.

## 3 BACKGROUNDS AND RATIONALE (RESEARCH)

I am studying how we can reduce books consumption and increase the Saudi Arabia budget and how to make sure we get all the students reader because this impacts the people and in the homeland. This is personal interest to me because this is a big part of the Saudi Arabia budget and we would help save the environment with paper sustainability. I hope to use this information to achieve the goal

The goal in education is to acquire students' skills and continue to benefit. In the United States, students take benefits from books , then leave them to other student in the next year. In this way, all students treat book as they borrow it , on the other hand fewer books are printed and used annually. Students can take benefits and leave it at the end of the year, the government wins because students are learning well and the drain on book printing has been reduced and the environment is preserved.

In addition, a student in SA carries 10 books and many notebooks every day, you can imagine how much this bag weighs . We question why a student cannot leave his books in the class to keep books from being damaged , and to maintain student health.



**When I asked teacher Ms Lovato these questions she said :**

**1-What is the benefits of leaving school books in the class, and other student in the next year use it?**

"Hmm, the word "benefits" makes this tricky! School books that are used in the classroom are left in the class for students to use next year because of funding. The curriculum we use is simply too costly to be purchased for students each year. The two subjects we use "textbooks" for are reading and science. At the time of adoption, the plan is for the materials to be used for 8-10 years- funding depending. These same book are available online for students and families to access through school websites. At the elementary level there are two very distinct schools of thought around "homework". Some believe young children do NOT need to go home and do more work. Just like many of us do not go home and do continue to do our jobs from home. Others believe students and their families need to practice establishing routines around homework as they will be required to do so as they get older. I fall in between. I don't want to send a bunch of worksheets, but I do encourage families to read, play math games, and I send a calendar of "learning activities" families can choose to do together with things like baking, having an indoor picnic, predicting and then weighing pumpkins at Halloween

**2- Why do the students finish homework in the school not in the home?**

"I don't send incomplete schoolwork home with students for a couple of reasons:

A. I want them to be responsible and accountable for doing their schoolwork during their work time.

B. Many of our families work late and are not in the best situations to provide help for their students by the time they get home.

C. Often the student cannot tell the adult what they need to do, the parent may not understand the concept or expectations and then work is not done correctly.

I'd rather families have time to be families and not add stress to already frequently stressful situations."

### **3- How can the student keep studying when he leaves the books in school?**

"I don't expect my students to keep studying when they go home. I kind of went over my philosophy in question 1. For those that are eager to do more, I leave this for them and their families to explore. I do share math games, different apps and digital tools students can access through our district web page, but I don't want or need kiddos to do more of our daily work at home. If I was teaching older students, I may adjust this practice. But for second grade, I don't believe it makes sense."

### **4- How can parents follow their children's studies?**

"This one is tricky since we don't do grades like middle and high school so there isn't a "midterm" report. When school starts, we do a lot of pre-assessments. Then at the end of September/beginning of October we do Parent Teacher conferences. During these conferences I make it a point to share my academic concerns for students that are not at grade level. I also set up a plan of how they can support at home, a good method of communication, my expectations etc. I also explain to ALL parents my grading system so when they get student work sent home they can determine from my marks if their student is doing great, average, or struggling. I also make sure any students that maybe started the year and have started to slip get direct communication from me. I never want my families to learn about their student's difficulties from their report card."



### **You can check this information in these websites**

<https://www.4j.lane.edu/2019/08/eugene-online-academy-enrolling-students/>

<https://holt.4j.lane.edu/>

And here I asked Administrator Ms Debbie these questions, she said :

6- What the cost does USA pay to print school books ?

"The schools in Oregon are required to update their textbooks every 7 years. This is on a rotating basis, so one year it is Language Arts, the next is math, then next if science, etc. They do this so the district costs are spread out. The average cost per student is about \$300 per students depending on the adoption subject. For example Social Science is cheaper than a Science adoption, because Science usually includes equipment. Every year the district budgets for whatever the adoption subject is that year. Hope this helps."

7- when education decided to print other books to renew it ?

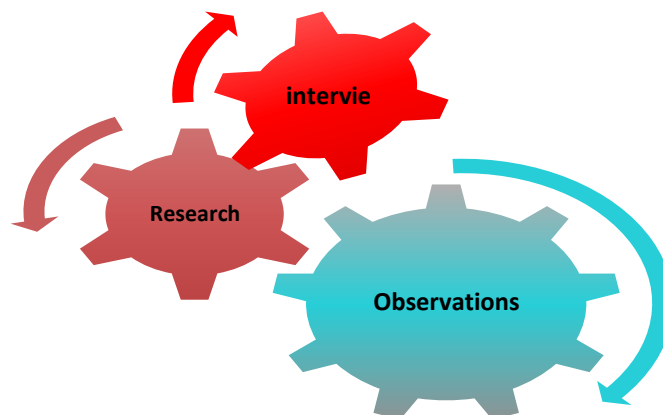
"I don't ever remember a time that we did not reuse books and I have been in education for 40+ years"

### PROJECT APPROACH AND TIMELINE (METHODOLOGY)

ACTION	DATE
Finish Draft Version of Title, Objective(s), Rationale, And Project Approach/Timeline	Should Be Completed at this Point
Finish Collecting Your Information	
FINISH Draft Version of RESULTS, DISCUSSION AND NEXT STEPS OF YOUR PAPER	
Finish Final Version of Paper	
Complete Final Presentation Product	
Presentation to Khbrat Group	mid-June 2020

#### 4 Method

- 1- I interviewed Ms. Lovato who is a teacher in Holt elementary school to help me find out how to keep the kids treat with books when they know that books not belong to them. Ms. Debbie also helped me by interviewing.
- 2- Researched this information from UO library and IRIS CENTER.
- 3- Observations: I observe a teacher Ms Lovato in a class how she is treatment the students and tried to improve students skill and she work with them to finish all the homework. I observed 20 hours per week period 12 weeks.
- 4- conference : I attended conference that is Oregon Higher Education Sustainability Conference  
02-04 Mar 2020 University of Oregon Eugene, United States.

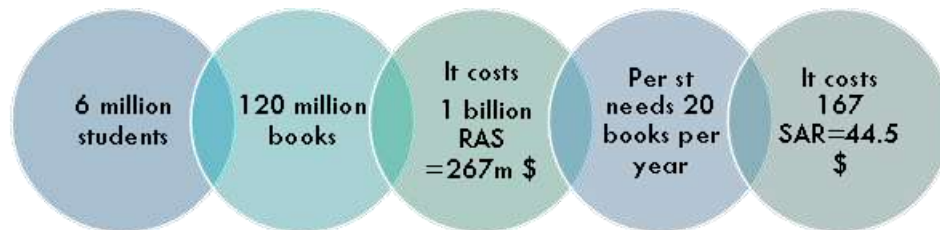


#### 5 Results

My goal is to reduce schoolbook printing and reuse them for other students and leave them in classroom for several reasons some of which that impact in student's environmental health because he doesn't need to carry 10 books every day In addition this way will keep the books from being very damaged. My vision is by 2030, we want to increase the overall Saudi Arabia budget by reusing text books and keep future environment safer for all students.

This leads to the conclusion that will decrease book printing and increase the State budget. We can compare the cost in the first year and then four years later. The numbers of students in the public education schools in Saudi Arabia exceeds six million, consuming 120 million copies of textbooks annually at a rate of 10 books per semester at a cost of more than 1 billion Riyals.

**Note that after the development of school textbooks. The printing of activity books, which cost more than 460 million, has been discontinued last year.**



**For more information you can review this website**

<https://www.moe.gov.sa/ar/news/Pages/book-1440.aspx>

<https://departments.moe.gov.sa/InvestorsRelations/statistics/Pages/studentcount.aspx>

**This chart shows you how reduce printing books will effect in the student's environment health.**

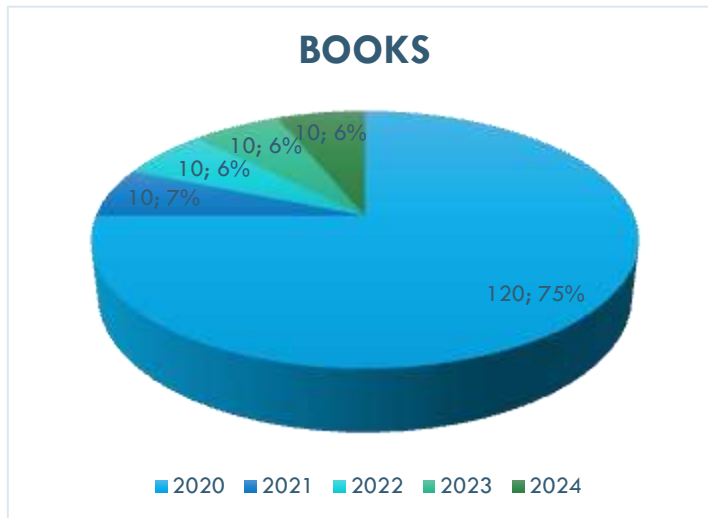
### Pie chart of years and cost

### data Chart

YEAR	BOOKS
2020	120
2021	10
2022	10

2023	10
2024	10

**3-D Pie chart of years and printing books**



This chart shows you how reduce printing books will effect in the Saudi Arabia budget.

**data Chart**

YEAR	COST of printing books
2020	1000 m
2021	84 m math book
2022	84 m math book
2023	84 m math book
2024	84 m math book



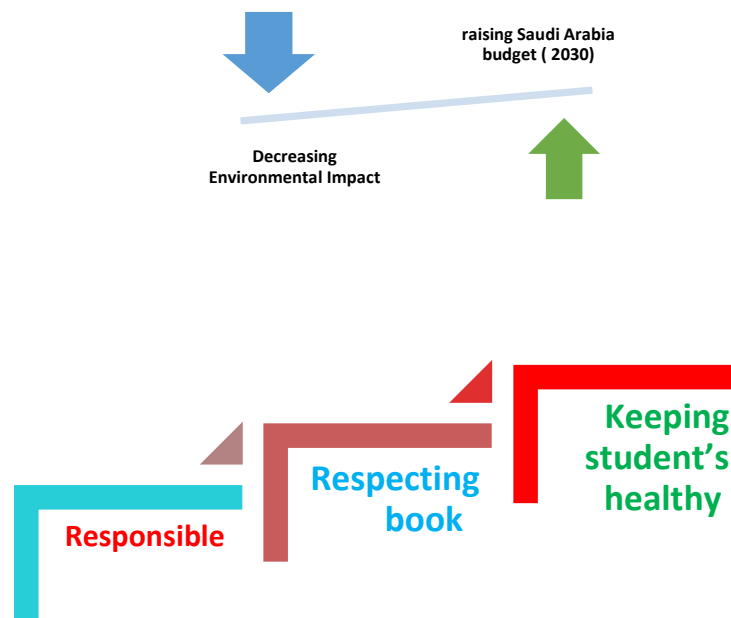
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### **Conclusions**

The concern of this paper was to throw light on the Decreasing Environmental Impact by Limiting Printing of Books. For future studies, it is recommended that to raise Saudi Arabia budget and Environmental protection to apply this Vision to 2030. This may effectively enhance on students to make them respect the book more and let them feel more responsible when they use the books. Research indicate that providing in the first year the first copy of the schoolbooks then reuse them during four years or more so that it will change many habits in the school. On the other hand, the students don't need to carry the books every days. As a consequence, that will keep student's health. All these developments are in line with the country's Vision 2030 goals of A Compassionate just and Caring Nation.



## NEXT STEPS

I will share my capstone as widely as possible. In fact I begin now to write some of my experience in a magazine, a book and social media to can share my capstone everywhere I can



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