“All who have meditated on the art of governing mankind have been convinced that the fate of empires depends on the education of youth.”

Aristotle- 384 BC–322 BC
Summer Learning Loss

The difference between what students know at the end of one school year and the start of the next school year
SUMMER VACATION IS AFFECTING TODAY’S STUDENTS & TOMORROW’S CITIZENS
Reason #1 to be Concerned About Summer Learning Loss

It increases the achievement gap, which increases feelings of delinquency & drop-out rates of those that fall behind each summer.
Reasons Usually Stated for This Gap

- Low Income children do not have the same inherent ability to learn
- Our schools are failing low income children

“NEITHER OF THESE EXPLANATIONS ARE TRUE”

Karl Alexander, Researcher
Johns Hopkins University Sociologist
Research From Johns Hopkins University’s Center for Summer Learning Indicates That:

Most students’ achievement increases by

9 Months

During a 9 Month School Year

In Elementary School
Data From a Baltimore Public School Study

Using California Achievement Test data given at the beginning of a school year & the end of a school year shows progress by all students
# Reading Test Score Points Gained During School Year by Income Level - Baltimore Study

<table>
<thead>
<tr>
<th>Income Class</th>
<th>1&lt;sup&gt;st&lt;/sup&gt; Grade</th>
<th>2&lt;sup&gt;nd&lt;/sup&gt; Grade</th>
<th>3&lt;sup&gt;rd&lt;/sup&gt; Grade</th>
<th>4&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>5&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>55</td>
<td>46</td>
<td>30</td>
<td>33</td>
<td>25</td>
<td>189</td>
</tr>
<tr>
<td>Middle</td>
<td>69</td>
<td>43</td>
<td>34</td>
<td>41</td>
<td>27</td>
<td>214</td>
</tr>
<tr>
<td>High</td>
<td>60</td>
<td>39</td>
<td>34</td>
<td>28</td>
<td>23</td>
<td>184</td>
</tr>
<tr>
<td>% Diff Between Low vs. High</td>
<td>-9%</td>
<td>+17%</td>
<td>-13%</td>
<td>+17%</td>
<td>+9%</td>
<td>+6%</td>
</tr>
</tbody>
</table>
# Reading Test Score Changes After Summer Vacation - by Income Level

<table>
<thead>
<tr>
<th>Income Level</th>
<th>1st Grade</th>
<th>2nd Grade</th>
<th>3rd Grade</th>
<th>4th Grade</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>-3.67</td>
<td>-1.70</td>
<td>2.74</td>
<td>2.89</td>
<td>0.26</td>
</tr>
<tr>
<td>Middle</td>
<td>-3.11</td>
<td>4.18</td>
<td>3.68</td>
<td>2.34</td>
<td>7.09</td>
</tr>
<tr>
<td>High</td>
<td>15.38</td>
<td>9.22</td>
<td>14.51</td>
<td>13.38</td>
<td>52.49</td>
</tr>
</tbody>
</table>

| % Diff Between Low vs. High | -123% | -118% | -81% | -78% | -99% |

---

*Note: The table above displays the reading test score changes after summer vacation by income level. The changes are calculated as the difference between the scores before and after the vacation.*
What Chart Shows

Most important cause of achievement gap is summer vacation
By the end of **fifth grade**, low-income children fall more than 2 years behind their middle-class peers in verbal achievement and 1 1/2 years behind in math, mainly because of Summer Learning Loss.
What Happens Over the Summer to Bring About the Achievement Gap?

“…His (high income student) parents believe in concerted cultivation. He gets taken to museums, gets enrolled in special programs, and goes to summer camp, where he takes classes. When he’s bored at home, there are plenty of books to read, and his parents see it as their responsibility to keep him actively engaged in the world around him. It’s not hard to see how Alex gets better at reading and math over the summer.” - M. Gladwell from Outliers
While Reading Can Improve for Many Students, There are Declines In All Other Subjects

Research from Johns Hopkins Center for Summer Learning

Indicates:

All students experience learning losses when they do not engage in educational activities during the summer.
Subjects That Have Losses of Approximately 1 Month & Require Review Every Fall

English
  - Grammar & Punctuation
  - Writing
  - Creative Writing
  - Literature
Social Studies
  - Geography
  - History
  - Government
  - Economics
Fine Arts

Science
  - Physical
  - Biology
  - Health Knowledge
  - Technology
  - Languages
    - Reading for students that have decoding problems or who are not reading during the summer

English Science

Grammar & Punctuation

Writing

Creative Writing

Literature

Social Studies

Geography

History

Government

Economics

Fine Arts

Science

Physical

Biology

Health Knowledge

Technology

Languages

Reading for students that have decoding problems or who are not reading during the summer
Subjects That Have Losses of More Than 1 Month

- Math Computation
- Spelling
Reason #2 to be Concerned About Summer Learning Loss

It affects the future opportunities for all student’s because of global competition for good paying jobs
India’s Edge Goes Beyond Outsourcing

- “In theory, we could place the work anywhere,” said Ian Thomas, president of Boeing India. “We’re here because we found a level of sophistication.”

- “Multinationals find it easier and cheaper to hire the growing skills of the third world.”-Anand Giridharadas-Reporter
## Non-School Days With Weekends Subtracted (NSDWS)

<table>
<thead>
<tr>
<th>Location</th>
<th>NSDWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>9</td>
</tr>
<tr>
<td>Japan</td>
<td>16</td>
</tr>
<tr>
<td>Other Asia</td>
<td>53</td>
</tr>
<tr>
<td>India</td>
<td>61</td>
</tr>
<tr>
<td>Europe</td>
<td>61</td>
</tr>
<tr>
<td>Africa</td>
<td>61</td>
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<tr>
<td>Latin Amer.</td>
<td>63</td>
</tr>
<tr>
<td>USA</td>
<td>76</td>
</tr>
</tbody>
</table>
Pisa
2003 International Test
USA Ranked Against
All Countries-age 15 Mean Score

Math* 25th
Reading 12th
Science* 20th
Problem solving 26th

*“They drive technology and our standard of living... unless students know that language they will not be able to compete.”- Tracy Koon, Intel’s Director of Corporate Affairs

Many future jobs that provide for a decent standard of living will require math and science expertise.
Less NSDWS Equals Higher Scores on International Tests

According to *PISA Tests
(*Program For International Student Assessment)

<table>
<thead>
<tr>
<th>Location</th>
<th>NSDWS</th>
<th>Rank (PISA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>9</td>
<td>3rd</td>
</tr>
<tr>
<td>Japan</td>
<td>16</td>
<td>4th</td>
</tr>
<tr>
<td>Other Asia</td>
<td>53</td>
<td>1st</td>
</tr>
<tr>
<td>USA</td>
<td>76</td>
<td>21st</td>
</tr>
</tbody>
</table>
Study from Boston College

Number of 8th graders scoring at the most advanced level in math

44% in Singapore
38% in Taiwan
7% in USA
What is the Reason for More Non-School Days in the USA?

- Past- Kids needed to work on the farms
- Today- Tradition
- Today- Expense
Do Our Students Have The Skills Needed To Compete Globally?

Yes, many do

However, many do not
Reason #3 to be Concerned About Summer Learning Loss

The economic issue of receiving maximum results for our tax dollars spent on education
Summer Learning
Loss of 1 Month & Fall Review
Time = Lost Educational $

Example: State spends over $5124* to educate one student for nine months

11%-27% spent on reviewing skills and knowledge = $563-$1383 Cost for Summer Learning Loss per student

This $ could be used for other priorities

*-2008 Formula Per Pupil Cost- Minnesota
THE CHALLENGE IS TO OVERCOME THE PROBLEMS OF SUMMER LEARNING LOSS
What is Being Done?

Summer School

10% of student population goes to summer school to:

- Accelerate Learning
- Prevent delinquent behavior
- RemEDIATE learning deficiencies
  - Graduation requirements
  - Grade promotion
  - Retake course
  - Help children with disabilities
  - Break cycle of poverty in low socioeconomic areas
Has It Worked?

Remedial summer school students do improve.

But improve more with individualized or small group instruction.
Has It Worked?

Acceleration programs have positive impact.
What is Being Done?

Modified Calendars
(Year Round School)

9 Weeks in School 3 Weeks Off
8 weeks in School 4 Weeks Off

Most schools that opt for this are at the elementary level because of concerns about jobs and students’ after-school activities. Middle and upper income families can provide resources for summer learning and typically want to control their options. Business interests usually resist as it can hurt them economically.
Has It Worked?

The first year showed very little gain.

After the first year there were modest gains, except for low income students.

Their gains were significant.
Edugeeks’ Resources to Maintain/Improve Health & Learning

During Summer Vacation
What is Edugeeks?

• Niche company in solving Summer Learning Loss and student health issues of K-8 students

• Possibly the only company that is attacking the problem of Summer Learning Loss and student health issues in a national web based program that is fun and positive

• Fundraising company for schools to raise money

• We resell Carson Dellosa Summer Bridge Workbooks
  • We are the only company making available Carson Dellosa Summer Bridge Workbooks with a program that motivates students to complete the workbook

• Founded by Teachers in 2000

• Leadership of the company has extensive experience (70+ years) in understanding the needs of our marketing clientele
Edugeeks Proposes

All Students Spend a Minimum of

15-30 Minutes Per Day

Maintaining/Improving Learning with a Leading Workbook and or Reading During Summer Vacation
Edugeeks & You Can Change Attitudes

- No parent *would* allow their children to stop brushing their teeth for 3 months because they know that problems will occur. It is worth the effort of giving up a few minutes a day to prevent these problems.

- No parent *should* allow their children to stop maintaining/improving their school skills for 3 months because they know that problems will occur. It is worth the effort of giving up a few minutes a day to prevent these problems.
All Students Involved

- Individual Students At Home with Parents In Charge and Reporting
- Summer School Students with Staff In Charge/Parents or Staff Reporting
- Community Education Programs with Staff In Charge/Parents or Staff Reporting
Proud Recipient of a 2008 Education Minnesota Affinity Grant
The eStar Learners eSummer Games Mission is to Have All Students…

- Have Fun
- Maintain or Improve Learning by Using Summer Bridge Activities Workbooks
- Maintain Learning by Reading Books
Students’ Work Year

- On Season
  - Fall, Winter, Spring

- Off Season
  - Summer
Joe Mauer’s Work Year

- On Season
  - Spring
  - Summer
  - Fall

- Off Season
  - Winter
For Summer Schools, Community Education Programs

- Students can OPT-IN and earn OSPs (Official Star Points) for doing many different activities to maintain/improve their learning.
  - OSPs earned can be set by the school or school district staff
    Ex: attendance, behavior, attitude toward being at school
- Teachers send home the Quick Weekly Report (QWR)
- Parents/Students log-in and enter QWR OSP totals together at home
- OSPs turn into drawing slips so that kids can win great prizes, downloadable certificates, and other incentives
- Friends & relatives from all over the world can watch progress and send messages (we check for hurtful messages) for added motivation
For the Summer At-Home Student

- Students can earn OSPs (Official Star Points) for doing workbook pages or reading
- Parents Log-In and enter in OSP totals at home
- OSPs turn into drawing slips so that kids can win great prizes, downloadable certificates, and other incentives
- Friends & relatives from all over the world can watch progress and send messages (we check for hurtful messages) for added motivation
OSP Student Activity Time

- Kindergarten & Grade 1- Students Need to Spend 15 Minutes for Most Activities
- Grade 2 & Grade 3- Students Need to Spend 20 Minutes for Most Activities
- Grade 4 & Above- Students Need to Spend 30 Minutes for Most Activities
After Entering OSPs, All Runners Advance on the Track
Certificates are available to download when runners cross finish lines.

- **Gold certificate** is awarded for 120+ OSPs
- **Silver certificate** is awarded for 80-119 OSPs
- **Bronze certificate** is awarded for 40-79 OSPs
- **Participant certificate** is awarded for 1-39 OSPs

All certificates are downloaded (except the participant certificate) when earned.

Participant certificates are received at the end of the tourney.
Example of Certificate

This certificate is awarded to
I.D. #: 14000170000365

For Completing 5 OSFs
Maintaining and Improving Health & Learning During the Star Challenge Summer Tourney

Signature ___________________________ Teacher
Signature ___________________________ School Official
Signature ___________________________ Edugeeks

Note
Your School's Name is Written in the ((Org Name)) Field

Note
Each <<Child's OSP Total is on Certificate

Note
Gold, Silver or Bronze 2 "Foil Seal" can be Placed Over Circle

Winner
Students Can Win Prizes In On-Line Drawing

Robosapien & Mini Robosapien

I-Pod Nano

Target Gift Cards

Winners can Choose and Receive Equivalent Priced Prizes from Target.com, Barnes & Noble.com or Discovery.com
Summer Bridge Activities™ Workbooks
Fundraiser/Tourney Pricing

- Review of last year’s work and preview of next year’s work
- Activities in reading, writing, arithmetic, science and language skills
- More challenging as your child works through the book
- A list of books to read at grade level
- A special physical fitness section, nutrition information and much more

**Workbook Only**-$13.95 + Tax if Applicable
**Tourney & Workbook**-$20.60 + Tax if Applicable

Up to 20% discount for school fundraiser

*These workbooks can be used to earn OSPs for the Star Challenge™.*

**WINNER OF:**
- National Parenting Seal of Approval
- Parent’s Award
- Youth Education Excellence
Summer Bridge Activities™ Workbooks Fundraiser Pricing

Only $14.95 per workbook with a discount of:

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<th>Purchase</th>
<th>Retail Price</th>
<th>Discount</th>
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<td>+ S*</td>
<td>5%+ S*</td>
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* Shipping Cost
The End

Please View the Workbook Motivational Program

www.Edugeeks.com

for additional information

Thank You