

HB 203

# SENATE FINANCE COMMITTEE REPORT

DATE: 4/30/92

FURTHER:

DATE TURNED INTO OFFICE: 5/11/92

The Finance Committee considered CS FOR HOUSE BILL NO. 203 (2d FINANCE)

"An Act establishing the Alaska education technology program; and providing for an effective date."

and recommends:

replace with S CS CSHB 203 (FINANCE)  
or  adopt previous        CS        (        )  
 attaches amendment(s)

same title  
 new title  
 technical title change (HB only)

adopts        Letter of Intent

further referral to the       

*JCS (Fin)  
coming*

do pass

do not pass

no recommendation

individual recommendations

**NEW FISCAL NOTES:** Dept/Date

zero fiscal notes       

fiscal notes DOE-Basic Ed 145.9

DOE Libraries 49.0

appropriation--no fiscal note

**PREVIOUS FISCAL NOTES:** Dept/Date

zero fiscal notes       

fiscal notes       

**DO PASS:**

**OTHER RECOMMENDATIONS:**

*Alan Duncan*

*Al Hildner*

*Rich Kelly*

*James Hoffman*

Co-Chair: Signature/Recommendation

Co-Chair: Signature/Recommendation

FISCAL NOTE

STATE OF ALASKA  
1992 LEGISLATIVE SESSION

BILL NO. SCS for CS for HB 203 (HES)

Revision Date: 5-8-92  
Title: An Act establishing the Alaska Education Technology program.  
Sponsor: Representative Kay Brown  
Requestor: (S) Finance

Department Affected: Education  
BRU: Educational Program Support  
Component: Basic Education

COMPONENT SERIAL NO. 

	1	7	1
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Expenditures/Revenues: (Thousands of Dollars)

OPERATING	FY 93	FY 94	FY 95	FY 96	FY 97	FY 98
PERSONAL SERVICES	83.6	83.6	83.6	83.6	83.6	83.6
TRAVEL	16.3	10.3	10.3	10.3	10.3	10.3
CONTRACTUAL	27.5	12.2	12.2	12.2	12.2	12.2
SUPPLIES	.5	.5	.5	.5	.5	.5
EQUIPMENT	18.0	0	0	0	0	0
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	145.9	106.6	106.6	106.6	106.6	106.6

CAPITAL						
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REVENUE FUND SOURCE:						
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FUNDING: (Thousands of Dollars)

GENERAL FUND	145.9	106.6	106.6	106.6	106.6	106.6
FEDERAL FUNDS						
OTHER FUND SOURCE:						
TOTAL	145.9	106.6	106.6	106.6	106.6	106.6

POSITIONS:

FULL-TIME	1.5	1.5	1.5	1.5	1.5	1.5
PART-TIME						
TEMPORARY						

Estimate of current year impact: None

ANALYSIS: (Attach a separate page if necessary.)

This fiscal note does not assume the administrative costs necessary to administer the Education Technology Fund. Should the fund be created, additional costs would occur.

Prepared by: Karen R. Crane  
Division: Commissioner's Office

Phone: 465-2800  
Date: 5-8-92

Approved by Commissioner:  Jerry Covey  
Agency: Education Date: 5-8-92

FISCAL NOTE

STATE OF ALASKA  
1992 LEGISLATIVE SESSION

BILL NO. SCS for CS for HB 203 (HES)

Revision Date: 5-8-92  
Title: An Act establishing the Alaska Education Technology program.  
Sponsor: Representative Kay Brown  
Requestor: (S) Finance

Department Affected: Education  
BRU: Libraries, Archives and Museums  
Component: Library Operations

COMPONENT SERIAL NO. 

	2	0	8
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Expenditures/Revenues: (Thousands of Dollars)

OPERATING	FY 93	FY 94	FY 95	FY 96	FY 97	FY 98
PERSONAL SERVICES	31.7	31.7	31.7	31.7	31.7	31.7
TRAVEL	5.0	5.0	5.0	5.0	5.0	5.0
CONTRACTUAL	3.0	3.0	3.0	3.0	3.0	3.0
SUPPLIES	.3	.3	.3	.3	.3	.3
EQUIPMENT	9.0	0	0	0	0	0
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	49.0	40.0	40.0	40.0	40.0	40.0

CAPITAL						
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REVENUE FUND SOURCE:						
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FUNDING: (Thousands of Dollars)

GENERAL FUND	49.0	40.0	40.0	40.0	40.0	40.0
FEDERAL FUNDS						
OTHER FUND SOURCE:						
TOTAL	49.0	40.0	40.0	40.0	40.0	40.0

POSITIONS:

FULL-TIME	1.0	1.0	1.0	1.0	1.0	1.0
PART-TIME						
TEMPORARY						

Estimate of current year impact: None

ANALYSIS: (Attach a separate page if necessary.)

This fiscal note does not assume the administrative costs necessary to administer the Education Technology Fund. Should the fund be created, additional costs would occur.

Prepared by: George V. Smith  
Division: Libraries, Archives and Museums

Phone: 465-2910  
Date: 5-8-92

Approved by Commissioner: *M. L. Miller*  
Agency: Education

Jerry Covey  
Date: 5-8-92

Fiscal Note Analysis

SCS for CS for HB 203 (HES): Establishing the Alaska education technology fund, and relating to publicly funded libraries

Revised 5-8-92

Page 2

NOTE: This fiscal note reflects the costs associated with SCS for CS for HB 203 (HES) as follows:

**Personal Services**

1 FT Education Specialist II, Range 21: \$67.7

Primary responsibilities:

Develop a plan to coordinate and expand existing public and private, district and state-level services which impact K-12 educational telecommunications, including STAR schools, the University of Alaska computer network, Livenet, and rural Alaska television.

Promote the development of district/site level plans for appropriate use of technology-assisted instruction, and provide assistance in securing the necessary training and other resources to carry out these plans.

Coordinate the use of educational technology within the Department's existing curriculum, vocational, and restructuring projects.

1 half-time Clerk Typist III, Range 8 (.5): \$15.9

Primary responsibilities: Clerical support for Education Specialist in working with school districts and planning for use of education technologies in the classroom.

1 full-time Clerk Typist III, Range 8, \$31.7,

Primary responsibilities: Support existing library positions in carrying out functions of planning and supporting the use of education technology in libraries.

Fiscal Note Analysis

SCS for CS for HB 203 (HES): Establishing the Alaska education technology fund, and relating to publicly funded libraries

Revised 5-8-92

Page 3

**Travel**

FY93

Travel for committee members to meet and develop recommendations for the department on statewide education technology implementation (8 members for one 3-day meeting, with \$500 average transportation cost, and \$285 for per diem): \$6.3.

FY93-97

Department of Education technical assistance, facilitating training: \$10.0

Library staff: \$5.0

**Contractual**

FY93

Audioconferencing with school districts and follow-up meetings with committee: \$1.2

Professional service contracts: Survey of educational technology resources: \$15.0

FY93-97

Phone, postage, photocopying: \$5.3

Professional service contracts: publications, training, planning workshops: \$7.0

Audioconferencing with school districts: \$2.0

**Supplies**

Publications, memberships, training materials: \$.8

**Equipment**

FY93 only:

3 Computer terminals for word processing, electronic mail system interconnecting school districts and school libraries, grant management (spreadsheet) functions:  $\$8.0 \times 3 = \$24.0$

Desks and other office equipment:  $\$1.0 \times 3 = \$3.0$

Final

SENATE CS FOR CS FOR HOUSE BILL NO. 203 (FINANCE)

IN THE LEGISLATURE OF THE STATE OF ALASKA

SEVENTEENTH LEGISLATURE - SECOND SESSION

BY THE SENATE FINANCE COMMITTEE

Offered: 5/12/92  
Referred: Rules

Sponsor(s): REPRESENTATIVES BROWN, MacLean, B.Davis, Koponen, Ellis, Bruckman, Ulmer, C.Davis

A BILL

FOR AN ACT ENTITLED

1 "An Act establishing the Alaska education technology program; and providing for an  
2 effective date."

3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

4 \* Section 1. FINDINGS AND PURPOSE. (a) The legislature finds that

5 (1) 75 percent of the labor force in the state is unprepared to deal with rapidly changing  
6 technology;

7 (2) the education system and publicly funded libraries can help in creating a trained labor  
8 force;

9 (3) education technology has the potential to improve the academic performance of  
10 students, to prepare students for work in a technological society, and to assist with education reform;

11 (4) schools and publicly funded libraries lack adequate hardware, software, and training  
12 for students, patrons, and educators in education technology;

13 (5) in order to implement effective education technology programs, teacher training and  
14 active participation is essential;

1 (6) an equitable distribution of education technology is necessary to ensure that all public  
2 school students in the state receive comparable educational opportunities.

3 (b) It is the purpose of this Act to establish the Alaska education technology program, to provide  
4 teachers, library staff, and other instructional personnel with training in how to apply education  
5 technology in meeting instructional objectives, and to provide the necessary equipment and materials to  
6 effectively utilize education technology within the adopted curricula throughout the rural and urban  
7 schools and in publicly funded libraries of this state.

8 \* Sec. 2. AS 14.30 is amended by adding new sections to read:

9 ARTICLE 10. ALASKA EDUCATION TECHNOLOGY.

10 Sec. 14.30.750. ALASKA EDUCATION TECHNOLOGY PROGRAM. (a) The Alaska  
11 education technology program is established in the department. The program must include

12 (1) technical assistance to a district, a public school, or a publicly funded library  
13 for the purpose of planning for and purchasing education technology;

14 (2) training for employees of a district, public school, or publicly funded library  
15 in the use of education technology in the classroom or library; and

16 (3) a plan for coordinating and expanding existing networks for educational uses,  
17 including the University of Alaska computer network, star schools, livenet, public television, rural  
18 Alaska television, and library sharing systems; the plan required under this paragraph shall be  
19 developed in consultation with the Department of Administration and must be consistent with  
20 AS 44.21.315(c).

21 (b) In administering the program required under this section, the department may pool  
22 grant money or other money available from each district or publicly funded library in order to  
23 make a bulk purchase of education technology or to provide necessary training.

24 Sec. 14.30.760. ALASKA EDUCATION TECHNOLOGY FUND ESTABLISHED. (a)

25 The Alaska education technology fund is established in the department. The purpose of the fund  
26 is to (1) enhance the quality and equity of education at public elementary and secondary schools  
27 by providing money to purchase, install, and maintain education technology in classrooms; (2)  
28 provide training in the use of education technology to help students achieve student performance  
29 standards; (3) provide access to networks for public schools through the University of Alaska  
30 computer network, the Department of Administration computer network, or other means  
31 consistent with the program developed under AS 14.30.750 and AS 44.21.315(c); and (4) provide

1 education technology, including computer and resource sharing systems, to publicly funded  
2 libraries. Money in the fund may be used to provide grants or may be expended by the  
3 department for projects that further the purposes described in this subsection. The fund consists  
4 of legislative appropriations to the fund and public or private donations made for the purpose of  
5 the fund.

6 (b) A project or grant application may be submitted to the department by a public school,  
7 by a school district on behalf of a public school, or by a publicly funded library. The department  
8 shall fund projects approved by the committee or award grants from the fund to a school district,  
9 a public school, or a publicly funded library selected by the committee. Money in the fund that  
10 consists of proceeds from the sale of general obligation bonds may not be awarded to a school  
11 district, a public school, or a publicly funded library as a grant.

12 (c) A project or grant application submitted by a public school or by a school district  
13 under (b) of this section must include

- 14 (1) educational goals and objectives;
- 15 (2) a comprehensive plan for using the education technology selected to achieve  
16 the educational goals and objectives;
- 17 (3) a description of the relationship between the application and the board's  
18 standards for student performance;
- 19 (4) required initial and ongoing training for teachers to effectively use the  
20 education technology in the classroom;
- 21 (5) a description of the education technology proposed to be purchased;
- 22 (6) a proposed budget;
- 23 (7) a description of local efforts or resources that will be contributed;
- 24 (8) provisions for site preparation, equipment security, and required technical and  
25 maintenance support; and
- 26 (9) criteria and methods that will be used to periodically evaluate and document  
27 progress in achieving the educational goals and objectives.

28 (d) A project or grant application submitted by a publicly funded library under (b) of this  
29 section must include

- 30 (1) library goals and objectives, including how the education technology will  
31 improve services of the library or access to resource sharing;

- 1 (2) a comprehensive plan for using the education technology selected to achieve
- 2 library goals and objectives;
- 3 (3) required initial and ongoing training for library personnel to effectively use
- 4 the education technology;
- 5 (4) a description of the education technology proposed to be purchased;
- 6 (5) a proposed budget;
- 7 (6) a description of local efforts or resources that will be contributed;
- 8 (7) provisions for site preparation, equipment security, and required technical and
- 9 maintenance support; and
- 10 (8) whether the library participates in a resource sharing system.

11 (e) The board shall adopt regulations that allow a school district, a public school, or a  
12 publicly funded library to obtain education technology under a permit or lease with the  
13 department, for a project approved under AS 14.30.780(b).

14 (f) The department shall administer grants awarded under this section and shall include  
15 a report on the projects receiving funds as part of the department's annual report.

16 **Sec. 14.30.770. POWERS AND DUTIES OF THE COMMISSIONER OF REVENUE.**

17 The commissioner of revenue is the treasurer of the fund and has the following powers and duties  
18 under this section:

- 19 (1) to act as official custodian of the cash and investments belonging to the fund  
20 by securing adequate and safe custodial facilities;
- 21 (2) to collect the principal and income from investments owned or acquired by  
22 the state treasury and deposit the amounts in separate principal and income accounts for the fund;
- 23 (3) to invest and reinvest the assets of the fund as provided in this section and  
24 as provided for the investment of retirement funds under AS 14.25.180;
- 25 (4) to exercise the powers of an owner with respect to the assets of the fund;
- 26 (5) to do all acts, whether or not expressly authorized, that the commissioner of  
27 revenue considers necessary or proper in administering the assets of the fund;
- 28 (6) to maintain accounting records of the fund in accordance with investment  
29 accounting principles and with distinction between the principal and income accounts of the fund;
- 30 (7) to engage an independent firm of certified public accountants to annually audit  
31 the financial condition of the fund's investments and investment transactions;

1 (8) to enter into and enforce contracts or agreements considered necessary for the  
2 investment purposes of the fund;

3 (9) to report to the department the condition and investment performance of the  
4 fund.

5 Sec. 14.30.780. EDUCATION TECHNOLOGY COMMITTEE. (a) The Education  
6 Technology Committee is composed of the director of the division of libraries, archives, and  
7 museums and seven members appointed by the governor. The governor shall appoint

8 (1) four members who are educators with demonstrated education technology  
9 experience;

10 (A) one from a district with 15,000 or more students;

11 (B) one from a district with at least 6,000 but less than 15,000 students;

12 (C) one from a district with at least 1,000 but less than 6,000 students; and

13 (D) one from a district with less than 1,000 students;

14 (2) one member with demonstrated education technology experience who is  
15 employed by the University of Alaska;

16 (3) one member with demonstrated education technology experience who is  
17 employed by the department; and

18 (4) one member with expertise in telecommunications employed by the  
19 Department of Administration.

20 (b) The committee shall review project and grant applications and approve project  
21 funding or award grants to a school district, a public school, or a publicly funded library from  
22 the fund. In reviewing project or grant applications the committee shall consider the  
23 completeness and consistency of the application in meeting the requirements of AS 14.30.760(c)  
24 and (d). In funding projects or awarding grants to a school, district, or library, the committee  
25 shall incorporate the applicant's plan for utilizing education technology. In funding projects or  
26 awarding grants, the committee shall develop appropriate guidelines to ensure an equitable  
27 distribution of project and grant funds. The committee shall recommend to the department the  
28 best method for providing statewide teacher training and training to other instructional personnel  
29 on the application and implementation of education technology as a part of the classroom  
30 curriculum.

31 (c) Members of the committee serve without compensation but are entitled to receive per

1 diem and travel expenses authorized for boards and commissions under AS 39.20.180.

2 Sec. 14.30.790. DEFINITIONS. In AS 14.30.750 - 14.30.790,

3 (1) "committee" means the Education Technology Committee;

4 (2) "district" has the meaning given in AS 14.17.250;

5 (3) "education technology" means instructional equipment and materials that are  
6 used to enhance the quality and increase the efficiency of teaching and learning, including  
7 hardware, software, and telecommunications;

8 (4) "fund" means the Alaska education technology fund;

9 (5) "publicly funded library" means a library eligible for a grant under  
10 AS 14.56.310.

11 \* Sec. 3. Before accepting project or grant applications under AS 14.30.760(b), enacted in sec. 2 of  
12 this Act, the Department of Education shall conduct

13 (1) a survey of education technology resources in public schools and publicly funded  
14 libraries in the state; and

15 (2) a statewide education technology grant and project writing seminar, available to all  
16 public schools, school districts, and publicly funded libraries.

17 \* Sec. 4. AS 14.30.760, 14.30.770, 14.30.780, and 14.30.790 are repealed December 31, 1998.

18 \* Sec. 5. This Act takes effect July 1, 1992.

Adopted

7-LS0572NP.1 ✓

Ford

05/09/92

A M E N D M E N T

OFFERED IN THE SENATE

TO: SCS CSHB 203 (HES)

Page 2, line 18, after "systems":

Insert "; the plan required under this paragraph shall be developed in consultation with the Department of Administration and must be consistent with AS 44.21.315(c)"

Adopted

7-LS0572P.2

Ford

05/09/92

A M E N D M E N T

OFFERED IN THE SENATE

TO: SCS CSHB 203 (HES)

Page 2, line 28, after "network":

Delete "or other means"

Insert ", the Department of Administration computer network, or other means consistent with the program developed under AS 14.30.750 and AS 44.21.315(c)"

Adopted

7-LS0572P.3

Ford

05/09/92

A M E N D M E N T

OFFERED IN THE SENATE

TO: SCS CSHB 203 (HES)

Page 5, line 3:

Delete "six"

Insert "seven"

Page 5, line 11:

Delete "and"

Page 5, line 13, after "department":

Insert "; and

(4) one member with expertise in telecommunications employed by the  
Department of Administration"

HOUSE AMENDMENT

152

TO: CS HB 203 (2nd Fin)

BY: Brown, Barnes  
Choquette

Page \_\_\_\_\_ Line \_\_\_\_\_

Letter of Intent

It is the intent of the legislature  
that the Fiscal Notes for HB 203  
be zero.

Submit original amendment to the Chief Clerk.  
It will then be numbered and duplicated.

Legislative Information Office  
3111 C Street #435  
Anchorage, Alaska 99503  
(907) 561-7627

During Session  
State Capitol  
Juneau, Alaska 99801-1182  
(907) 465-4998

April 30, 1992

## Sponsor Statement Education Technology Fund SCSCSHB 203 (HES)

### Background

Alaska must prepare its children to compete in the global marketplace. The computer revolution that has transformed the way industry and government conduct business is creating new demands on America's educational system. Mastery of computers is now required for virtually all occupations, regardless of whether they are technical, professional, entry-level or executive-level.

In addition, educational leaders agree that computers in the classroom can aid in the instruction of numerous subjects. They allow teachers to spend more quality time with students and they improve student performance. When students study a subject at a computer, those who work at a faster pace can move ahead while the teacher is free to work with students who may lag behind.

Helping students keep pace with the computer world is an expensive proposition. Integrating computer technology into every Alaska classroom would cost about \$100 million, which includes \$80 million for hardware and software and \$20 million for teacher training. The state must help or the technology will be purchased and used only by our most affluent school districts - a situation that will further aggravate inequities in Alaska schools.

### SCSCS For House Bill 203 (HES)

This bill creates a state Education Technology Fund that would help pay for hardware, software, and telecommunications access for classrooms, teacher training, and technology for libraries. The legislature would appropriate money to the fund from whatever sources it deemed appropriate. The legislature also could ask voters to approve general obligation bonds. This bill does not appropriate money to the Education Technology Fund. The companion funding bill for this legislation is House Bill 204, which is pending before the House Finance Committee.

HB 203 creates an Education Technology Committee, consisting of six members appointed by the Governor and the director of the state Division of Libraries, Archives and Museums. The committee, using specific criteria, would review

DISTRICT 12

Downtown • Fairview • City View • Bootleggers Cove • Inlet View • South Addition • Thunderbird Terrace  
Eastridge • Penland Park • Airport Heights • Government Hill

requests from schools or school districts. It will award permits for use of state-owned equipment and materials and grants for teacher training.

The legislation also enables the the committee to provide permits or grants for publicly funded libraries to expand and update resource sharing and information network systems.

The bill, regardless of whether or not the Education Technology Fund is capitalized, creates an Education Technology Program within the Department of Education. The department would:

- Conduct a statewide survey of existing educational technology in Alaska schools;
- Provide technical assistance to schools and public libraries in planning and purchasing education technology;
- Offer training in the use of education technology;
- Develop a plan for using existing networks for educational uses, including the University of Alaska computer network; and
- Pool grant money or other money available from school districts in order to make bulk purchases of education technology or training.

#### Fiscal Notes

House versions of this bill contained Department of Education fiscal notes in the amount of \$194,900, which related to the Education Program sections of the bill. The House during floor deliberations approved a letter of intent (attached) stating that the fiscal notes should be zero. It was the House's intent that the department, if necessary, reallocate existing resources to carry out the program.

Legislative Information Office  
3111 C Street #435  
Anchorage, Alaska 99503  
(907) 561-7627

During Session  
State Capitol  
Juneau, Alaska 99801-1182  
(907) 465-4998

April 30, 1992

## SECTIONAL ANALYSIS

### SCSCSHB 203 (HES)

#### An Act Establishing the Education Technology Fund

##### Section 1

Findings and Purpose.

##### Section 2

The Alaska Education Technology Program is created in the Department of Education. The department will offer technical assistance to schools and publicly funded libraries in planning and purchasing education technology. The department will also provide training to school and library employees in the use of education technology and develop a plan for expanding the use of existing networks, such as the University of Alaska computer network, for educational purposes.

The Alaska Education Technology Fund is established in the Department of Education. Proceeds of the fund will be used to purchase, install, and maintain education technology for use in Alaska public and secondary school classrooms, provide training for teachers and other instructional personnel in the use of the technology, provide network access for public schools through the University of Alaska computer network, and provide computer and resource sharing systems for public libraries. The legislature can appropriate money to the fund or the public can provide funding through general obligation bonds or private donations. The Commissioner of Revenue is designated as treasurer of the fund.

An Education Technology Grant Committee is created consisting of six members appointed by the governor and the director of the Division of Libraries, Archives and Museums. The Committee shall review and approve project and grant requests using specified criteria, including a school or district plan for using technology to improve student performance. The Department of Education will give permits or leases for use of hardware and software to schools, school districts and public libraries whose projects are approved by the committee. Grants can be awarded for training. The

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Eastridge • Penland Park • Airport Heights • Government Hill

Committee is charged with developing guidelines to ensure an equitable distribution of project and grant funds.

The state Board of Education shall adopt regulations for the permitting process. The Department of Education shall include in its annual report a report on the projects receiving education technology funding.

Members of the Committee serve without compensation but are entitled to receive per diem and travel expenses.

Terms are defined.

### Section 3

Before accepting project or grant applications, the Department of Education shall conduct a survey of existing education technology resources. The department shall also conduct a statewide, education technology project and grant writing seminar available to all public schools, school districts and public libraries.

### Section 4

Sunset clause. The Alaska Education Technology Fund established by this legislation is repealed December 31, 1998.

### Section 5

Effective date of July 1, 1992.

Jan Foster



ALASKA PTA  
Post Office Box 201496  
Anchorage, Alaska 99520-1496  
(907) 279-9345

FOR THE  
I 1992

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ALASKA PTA 1992 LEGISLATIVE PRIORITIES

1. Alaska PTA supports increasing the current foundation formula to at least \$64,500 per unit with a provision for the addition of an inflation proofing mechanism within the formula.
2. Alaska PTA supports adequate state funding for school construction including new construction, repair and maintenance, and reimbursement for past debt.
3. Alaska PTA supports legislation and regulations which address our concerns on early childhood education and child care issues.
4. Alaska PTA supports legislation which would establish and fund an Alaska Education Technology Fund.
5. Alaska PTA supports legislation and regulations which provide resources to develop and implement a statewide public awareness campaign to address adolescent pregnancy prevention.

Adopted in convention, April, 1992

## Small businesses bridging the computer literacy G A P

The American work force is ill-prepared for the basic computer skills needed to work in today's high-tech workplace. A recent survey conducted by the U.S. Government shows that 95 percent of businesses cite an increasing need for computer literacy for all employees. Workers are handicapped even more by changes in technology that require employee retraining in some industries every 18 to 36 months. The void that has been created by the lack of computer education has created a market for technical training. Many opportunities exist for small businesses to close the computer literacy gap that has come between the work force and the workplace.

Education and training-related businesses have been identified as one of the top 10 small-business opportunities for 1992. Training for information systems was a \$2-billion industry in 1990 and is expected to more than double to \$4.2 billion by 1995.

Bertram Gader of Los Angeles turned his years of experience in advertising into a lucrative small business in computer graphics training. He started the company in 1988 and named it after himself, simply Bertram Gader. Bertram has found a niche in helping advertising-agency art directors and graphic designers keep up with the latest computer technology. He says he has a lot of repeat business because of the constant technological advances in computer hardware and software. In only three and a half years, Bertram has done well. His business grew by 50 percent last year and he expects to grow by at least that much this year. His list of clients now includes many major advertising agencies.

Someone else now is toasting to his own small-business success is Ron Anderson. Ron started his business with a partner three years ago after he was unable to find a job as an engineer. The company, called Associated Computer Lab, provides seminar-style computer training, software packages and consulting to business and government in the area. Bubbling over with success, Associate's business doubled in its first two years, and Ron is expecting to grow by another 50 percent this year. Taking advantage of opportunities in computer training has been a cause for celebration among many small-business owners.

### Alert -- (Cont. from pg. 1)

PHONE SCAM and those who receive calls are advised not to agree to make a donation or provide a credit card number to cover the cost of that donation.

If you receive such a call, gather as much information as you can from the caller and make the information available to the police.

If you have a fax and did not receive this alert on February 20, call our office with your fax number so you can be added to our fax tree.

Pass this information along to your business associates, friends and neighbors! Don't become a victim of this scam operation!

## CHAMBER FEE SCHEDULES

P\_M-91 Database labels (Self Adhesive)

# Complete database list of all known businesses in Juneau (P\_M-91)

Member \$150

Non-Member \$200

# Membership list only

Member \$50

Non-Member \$75

(We will print the labels in any sort order desired by the client.) *The price includes labels, but not mailing costs.*

Chamber membership roster

(Printed list of members) (P-M-91)

Member N/C

Non-Member \$5

Printed list of all information in database—  
(P\_M-91 FILE ONLY)

Member \$75

Non-Member \$100

Insert of pre-printed literature into Chamber Mailings

Member \$125

Non-Member \$175

YOUR AD COULD BE  
HERE FOR AS LITTLE AS  
\$48.75 PER MONTH.

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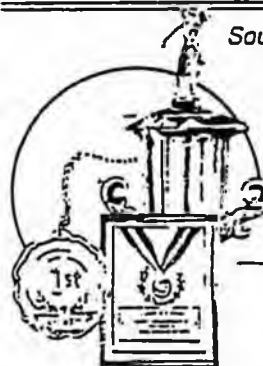
586-6420

Advertising deadline: 25th of the  
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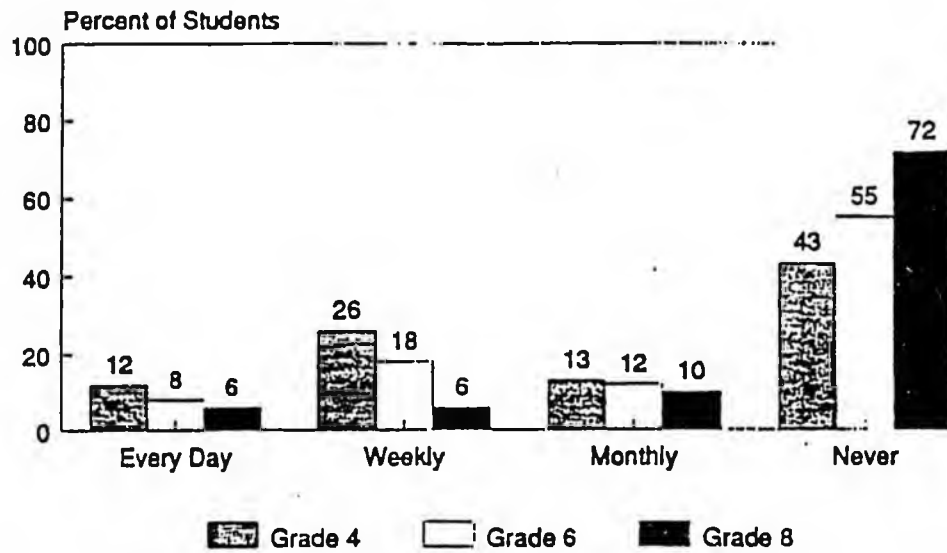
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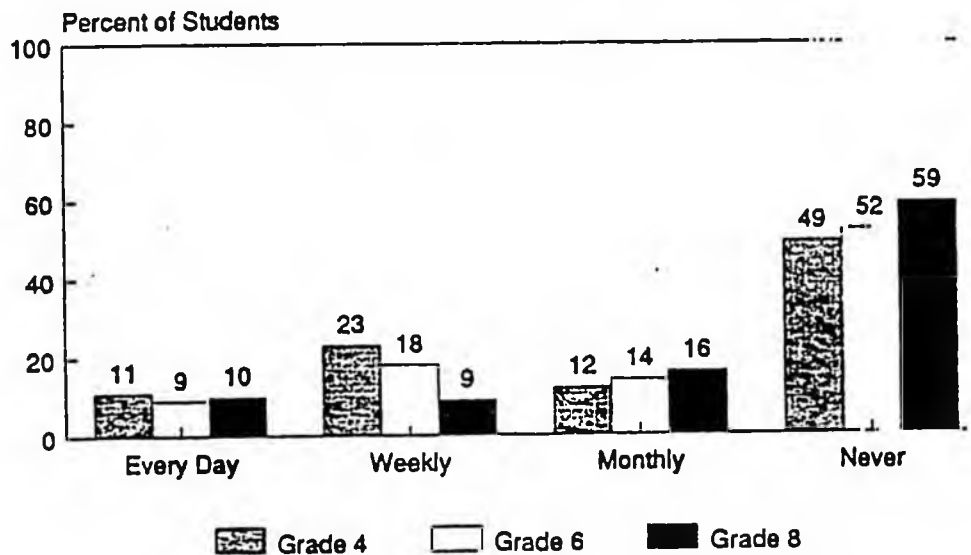
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## How Often Do You Use Computers To Work With Numbers In School?



Student Questionnaire Results  
1990-91 Alaska Statewide Student  
Assessment Program

## How Often Do You Use Computers For Reading Or Writing In School?



Student Questionnaire Results  
1990-91 Alaska Statewide Student  
Assessment Program