

Great Computer Challenge Senior Division (6-12)

Saturday, March 11, 2006 ■ Old Dominion University, Webb Center ■ Norfolk, Virginia

About the Great Computer Challenge

What is it? A competitive opportunity for students in grades 6-12 to demonstrate their skills in various computer applications and computer programming.

Who may enter? Students enter in school teams with a teacher coach. Each school may enter one team in each category (except for the following categories who may enter more than one team per school-music composition (3 & 4), visual basic (3 & 4), integrated applications (3 & 4), scientific or non-business (was C++) (4), JAVA (4), CAD (4). The *highest-grade* student on a team determines the level. Only students in grades 6-12 are eligible.

Contest Levels

Level 3 - Grades 6-8
Level 4 - Grades 9-12

Schedule of Events

8:00 a.m. Registration and set up - Level 3 & 4
9:00 a.m. Rules Review
9:30 a.m. Competition Begins - Level 3 & 4
10:00 a.m. - noon Various workshops for teachers
11:30 a.m. Competition Ends - Level 3
12:30 p.m. Competition Ends - Level 4
12:30 - 2:30 p.m. Lunch & Movie
2:30 p.m. Awards Ceremony - Level 3 & 4

Registration Fee Per Team

	C.I.I. Member	Non-Member
Level 3	\$35.00	\$85.00
Level 4	\$45.00	\$95.00

Contest Rules

Teams

Teams for Level 3 may have up to three members. Level 4 may have up to five members. **Each team must have a teacher coach, who must be present, but not be in the room** during the actual competition. It is recommended that teachers who are bringing multiple teams bring an adult to chaperone each team.

Equipment

The contest site will be equipped with tables, chairs, and electrical power outlets. The contestants must supply and care for all other equipment and supplies needed, including computer, software, power strips, extension cords, all connecting cables, printer (if needed), disks, and paper. Editors are allowed for Visual BASIC. NO manuals will be permitted unless they are clip art indexes. The judges reserve the right to disallow any manuals or portions thereof upon review.

Judging

Entries will be evaluated on the following:

- **Programming Contest:** operability, user-friendliness, clarity, organization, structure, utility, creativity, and fulfillment of the problem's requirements.
- **Graphic Arts, Music Composition, Integrated Applications, Desktop Presentations, and Desktop Publishing:** originality, creativity, fulfillment of the problem's requirements, and effective use of the computer.
- **Web Design:** originality and creativity of the web page.
- **CAD:** originality, creativity, fulfillment of the problem's requirements, and effective use of the computer.

All places, 1st, 2nd, 3rd, and Honorable Mention may not all be awarded based on the discretion of the judges.

THE DECISION OF THE JUDGES IS FINAL

Contest Categories

*Software used in recent GCC Competitions
**MORE THAN ONE TEAM/SCHOOL/CATEGORY

Graphic Arts - Levels 3 & 4

Contestants will create visual solutions to various problems using their choice of graphics software. The judges will evaluate animations from *screen*; all other solutions will be judged from the printed copy. Printer is needed. Animation and clip art may be allowed.

*PaintShop Pro, Word, E-Z Motion, Macromedia 4, FireWorks, Image Composer, Painter, Dreamweaver, Office, Print Shop Deluxe, SuperPaint, AppleWorks/ClarisWorks, Color It, Dabblor, Easy Color Paint, Expert Paint, KidPix, MicroWorlds, PaintBrush, PowerPoint, Morph, SuperPaint, Adobe Illustrator, PhotoShop, SuperPoint, Deluxe Paint

Desktop Publishing - Levels 3 & 4

Contestants will design and print a publication using their choice of software and clip art. Printer is needed.

*Office 2000, Word, Excel, PhotoShop, PowerPoint, AppleWorks/ClarisWorks, Classroom Publisher, Corel, PrintShop II, Word Perfect, Writing Center, Microsoft Publisher, Microsoft Works, PageMaker, Dreamweaver, PaintShop

**Music Composition - Levels 3 & 4

Contestants will compose original music. Solutions may be in the form of printed sheet music, or aural compositions. Judges will evaluate by listening to your music, depending on the software. Each team is required to have ear phones. No speakers.

*CakeWalk, Home Studio, Encore, EZ Vision, Finale Allegro, Music Trax, Music Shop, SongWorks, Finale, MasterTrac Pro, Noteworthy Composer, Acid, Office 2000, Flash, Fireworks, Dreamweaver

**Programming - Levels 3 & 4

Level 3 ■ Visual Basic
Level 4 ■ Visual Basic ■ JAVA
■ Scientific or Non-Business (was C++)

Contestants will solve a selection of programming problems using their choice of Visual BASIC, JAVA, or scientific or non-business language versions. Judges will evaluate a printed copy of the program code, and the program execution. Each programming language will be judged separately. Printer is needed.

***Visual Basic:** QBasic, True Basic, MS Basic, Quick Basic, Visual Basic
***C++:** TC Lite, Visual C++, Codewarrior, DEV C++, Borland TC 45,
***JAVA:** SunJAVA, HTML

Desktop Presentations - Levels 3 & 4

Contestants will design original slide shows using graphics and text with their choice of software and clip art. Judges will evaluate final screen images. Scanners, digital cameras, and animation are allowed. No printer is needed.

*Office 2000, Photoshop, Flash, Dreamweaver, PaintShop Pro, Astound, Claris Works, Corel Presentations, HyperStudio, PowerPoint, Word Perfect

Web Design - Levels 3 & 4

At the competition, students will create a web page. An Internet connection will not be used, but each team must provide their own tools including a web browser, to create the web page(s). Teams will be disqualified if they use an existing web page. No printer is needed.

*FrontPage, Dreamweaver, Claris HomePage, Notepad, FireWorks, Macromedia, Sibelius, JAVAScript, PageMaker, Homesite, ClarisWorks, Netscape, PageSpinner, PageMill, HTML

**Integrated Applications - Levels 3 & 4

Contestants will integrate word processing, database, and spreadsheet to create solutions to various problems. Printer is needed.

*Office 2000, Excel, Access, Word, ClarisWorks, MSWorks, Microsoft Office Works, Perfect Office, Quatro Pro

**CAD - Level 4

Contestants will be asked to draw one or more CAD designs. Printer is needed.

*AutoCAD 2000, VectorWorks, Fast CAD
interactive ■ 25

Details

Date

Saturday, March 11, 2006

Location

Old Dominion University
Webb Center
Norfolk, VA

Registration Fee

■ **Level 3**
\$35.00 C.I.I. Members
\$85.00 Non-Members
■ **Level 4**
\$45.00 C.I.I. Members
\$95.00 Non-Members
■ **\$50.00 late fee/team** postmarked after **February 17, 2006**

Registration Deadline

■ **February 17, 2006**
■ **\$50.00 late fee/team** postmarked after this date

Questions?

■ Contact your C.I.I. Representative (www.whro.org/cii)
■ Annie Gilstrap
757.889.9382
annie.gilstrap@whro.org

Sample Problems

■ Can be found at www.whro.org/education. Look for hyperlink in "Quick Links."
■ Contact C.I.I. representative (www.whro.org/cii)

Food

■ Not included in the registration fee
■ Several ODU restaurants will be open
■ Restaurants within driving distance

Awards

■ Ceremony at 2:30 p.m.
■ Parents & siblings are invited

T-shirts

T-shirts for the **student team members** are included in the registration fee. (Alternates & Coaches are extra.) Please make sure that you mark the proper sizes on the registration form.

Confirmation Packets

Will be sent a week prior to the competition. They will include:
• Directions
• Specific Rules
• Room Assignment
• Day's Schedule
• Other Pertinent Information

Workshops

Will be available for parents & teachers.

Volunteers

Are you interested in helping out at the Great Computer Challenge? If so, please contact Annie Gilstrap at 757.889.9382 or annie.gilstrap@whro.org

Great Junior Computer Challenge Division (K-5)

Saturday, April 29, 2006 ■ Old Dominion University, Webb Center ■ Norfolk, Virginia

About the Great Computer Challenge

What is it? A competitive opportunity for students in grades K-5 to demonstrate their skills in various computer applications and computer programming.

Who may enter? Students enter in school teams with a teacher coach. Each school may enter one team in each category. The *highest-grade* student on a team determines the level. Only students in grades K-5 are eligible.

Contest Levels

- Level 1 - Grades K-2
- Level 2 - Grades 3-5

Schedule of Events

8:30 a.m.-9:45 a.m.	Registration and Setup - Level 2
9:00 a.m.-10:15 a.m.	Registration and Setup - Level 1
9:45 a.m.	Rules Review - Level 2
10:00 a.m.	Competition Begins - Level 2
10:15 a.m.	Rules Review - Level 1
10:30 a.m.	Competition Begins - Level 1
10:30-11:30 a.m.	Workshops for Teachers
11:30 a.m.	Competition Ends - Level 1
11:45 a.m.	Competition Ends - Level 2
Noon-1:30 p.m.	Lunch & Movie
1:45 p.m.	Award Ceremony -Level 1 & 2

Awards

All students participating in the K-2 competitions will be awarded Superior, Excellent, or Good. All places, 1st, 2nd, 3rd, and Honorable Mention may not all be awarded based on the discretion of the judges. Students in grades 3-5 will be awarded 1st, 2nd, 3rd place, and Honorable Mention, but these places may not all be awarded based on the discretion of the judges. All participants receive a Certificate of Participation.

Registration Fee Per Team

Levels	C.I.I. Member	Non-Member
1 & 2	\$35.00	\$85.00

Contest Categories

*Software used in recent GCC Competitions

Graphic Arts - Levels 1 & 2

Contestants will create visual solutions to various problems using their choice of graphics software. The judges will evaluate animations from *screen*; all other solutions will be judged from the printed copy. Printer is needed.

Level 1-NO clip art, animation or stamps allowed.

Level 2-Clip art, animation, and stamps may be allowed.

*Photo Deluxe, Flying Colors, Kid Pix Deluxe, Microsoft Word, Microsoft Draw, AppleWorks/ClarisWorks, KidPix, KidPix Companion, Easy Color Paint, Kid Works, Super Paint, PrintShop Deluxe

Desktop Publishing - Levels 1 & 2

Contestants will design and print a publication, using their choice of software and clip art. Printer is needed.

*Adobe Photo Deluxe, Flying Colors, Student Writing, Kid Pix Deluxe, Microsoft Publisher, Microsoft Word, Press Writer, Print Shop Premier, Print Shop Essentials, PrintShop Ensemble, AppleWorks/ClarisWorks, The Writing Company, PrintShop, Corel 7, KidPix, PrintShop, PrintShop Deluxe, Writing Center, Kid Works Deluxe, Paint, Write & Play

Desktop Presentations - Level 2

Contestants will design original slide shows using graphics and text with their choice of software and clip art. Judges will evaluate final screen images. Scanners, digital cameras, and animation are allowed. No printer is needed.

*Kid Pix Deluxe, mPower, Avid Cinema, Astound, AppleWorks/Claris Works, Corel Presentations, HyperStudio, PowerPoint, Word Perfect

Internet Scavenger Hunt - Level 2

At the competition, contestants will be given a mini-scavenger hunt to complete using Internet Explorer as their browser. No printer is needed. Windows computer provided.

Contest Rules

Teams

Teams for Levels 1 & 2 may have up to three members. **Each team must have a teacher coach, who must be present, but not be in the room** during the actual competition. It is recommended that teachers who are bringing multiple teams bring an adult to chaperone each team.

Equipment

The contest site will be equipped with tables, chairs, and electrical power outlets. The contestants must supply and care for all other equipment and supplies needed, including computer, software, power strips, extension cords, all connecting cables, printer (if needed), disks, and paper. NO manuals will be permitted, unless they are clip art indexes. The judges reserve the right to disallow any manuals or portions thereof upon review.

Judging

Entries will be evaluated on the following:

- **Graphic Arts, Desktop Publishing, and Desktop Presentations:** originality, creativity, fulfillment of the problem's requirements, and effective use of the computer.
- **Internet Scavenger Hunt:** answers to Scavenger Hunt questions and methods used to obtain information.

THE DECISION OF THE JUDGES IS FINAL

Details

Date

Saturday, April 29, 2006

Location

Old Dominion University
Webb Center
Norfolk, VA

Registration Fee

- \$35.00 C.I.I. Members
- \$85.00 Non-Members
- **\$50.00 late fee/team** postmarked after **April 7, 2006**

Registration Deadline

- **April 7, 2006**
- **\$50.00 late fee/team** postmarked after this date

Questions?

- Contact your C.I.I. Representative (www.whro.org/cii)
- Annie Gilstrap
757.889.9382
annie.gilstrap@whro.org

Sample Problems

- Can be found at www.whro.org/education. Look for hyperlink in "Quick Links."
- Contact C.I.I. Representative (www.whro.org/cii)

Food

- Not included in the registration fee
- Several ODU restaurants will be open
- Restaurants within driving distance

Awards

- Ceremony at 1:45 p.m.
- Parents & siblings are invited

T-shirts

T-shirts for the **student team members** are included in the registration fee. (Alternates & Coaches are extra.) Please make sure that you mark the proper sizes on the registration form.

Confirmation Packets

Will be sent a week prior to the competition. They will include:

- Directions
- Specific Rules
- Room Assignment
- Day's Schedule
- Other Pertinent Information

Workshops

Will be available for parents & teachers.

Volunteers

Are you interested in helping out at the Great Computer Challenge? If so, please contact Annie Gilstrap at 757.889.9382 or annie.gilstrap@whro.org

Great Computer Challenge Registration Form

**Junior Division (K-5)
&
Senior Division (6-12)**



Please duplicate this form as needed.
Register **only one team per form**.
One team per school per category per level! (except for teams with *)

Check one box to designate your Category and Level:

Level →	1	2	3	4
*CAD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Desktop Presentations		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Desktop Publishing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Graphic Arts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*Integrated Applications			<input type="checkbox"/>	<input type="checkbox"/>
Internet Scavenger Hunt		<input type="checkbox"/>		
*Music Composition			<input type="checkbox"/>	<input type="checkbox"/>
*Programming-Scientific or Non-Business (was C++)				<input type="checkbox"/>
*Programming-JAVA				<input type="checkbox"/>
*Programming-Visual Basic			<input type="checkbox"/>	<input type="checkbox"/>
Web Design			<input type="checkbox"/>	<input type="checkbox"/>

Level for each division:

■ **Junior Division**
Level 1 Grades K-2
Level 2 Grades 3-5
■ **Senior Division**
Level 3 Grades 6-8
Level 4 Grades 9-12

DATES FOR 2006

■ **Junior Competition**
April 29, 2006
■ **Senior Competition**
March 11, 2006

Computer Type: _____ Software/Version: _____
 Teacher Coach (s): _____
 School: _____ School Division: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 School-Phone: _____ Home-Phone: _____
 Fax Number: _____ E-Mail Address: _____ Pager/Cell #: _____

Team Members:

(Three students for Level 1, 2, & 3. Up to five students for Level 4)
 Name: _____ Name: _____ Name: _____
(Use lines below for Level 4 only)
 Name: _____ Name: _____

Each team member (not including the teacher coach or alternates) will receive a T-shirt. Please indicate # of each size.
 _____ Small _____ Med _____ Large _____ XL _____ XXL _____ XXXL (Adult sizes)

Pre-order extra shirts, tote bags, and video tapes!

Extra T-shirts

Teachers may order additional T-shirts @ **\$10.00, prepaid**. Please indicate how many additional shirts you would like to order:
 _____ Small _____ Med _____ Large _____ XL _____ XXL _____ XXXL # of extra T-shirts ordered: _____

ToteBags

Teachers may also order Great Computer Challenge Tote Bags @ **\$10.00 prepaid**. # of tote bags ordered: _____

Videotape of GCC School Talk Special

Great Computer Challenge and Winners are highlighted in School Talk. @ **\$10.00 prepaid**. # of tapes ordered: _____

Level registering	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>
Amount of registration fee (Are you late? Add \$50 late fee.)	Levels 1 & 2 & 3 <input type="checkbox"/> \$35.00 (C.I.I. Member) <input type="checkbox"/> \$85.00 (Non-Member) Level 4 <input type="checkbox"/> \$45.00 (C.I.I. Member) <input type="checkbox"/> \$95.00 (Non-Member)
Amount of extra T-shirts	\$10.00 x _____ = _____
Amount of tote bags ordered	\$10.00 x _____ = _____
Amount of videos ordered	\$10.00 x _____ = _____
Make checks payable to WHRO/C.I.I. We do accept POs. Please include a copy of the PO with registration form.	

Details

Dates

■ **Senior Competition**
March 11, 2006
■ **Junior Competition**
April 29, 2006

Location

Old Dominion University
Norfolk, Virginia

Questions?

■ Contact your C.I.I. Representative (www.whro.org/cii)
 ■ Annie Gilstrap at 757.889.9382
 annie.gilstrap@whro.org

Registration Fee

■ **Levels 1, 2, & 3**
\$35.00 (C.I.I. Member)
\$85.00 (Non-Member)
■ **Level 4**
\$45.00 (C.I.I. Member)
\$95.00 (Non-Member)
■ **\$50.00 late fee/team** postmarked after registration deadlines (listed below)

Make checks payable to:

WHRO/C.I.I.
(If using a P.O.-please send copy of P.O.)

Registration Deadline

■ **Senior Competition**
February 17, 2006
■ **Junior Competition**
April 7, 2006
■ **\$50.00 late fee/team** postmarked after each date

Send to

Great Computer Challenge
WHRO/C.I.I.
5200 Hampton Blvd.
Norfolk, VA 23508

Food

■ Not included in the registration fee
 ■ Several ODU restaurants will be open
 ■ Restaurants within driving distance

Confirmation Packets

Will be sent a week prior to the competition. They will include:
 •Directions
 •Specific Rules
 •Room Assignment
 •Day's Schedule
 •Other Pertinent Information

Sample Problems

■ Can be found at www.whro.org/education. Look for hyperlink in "Quick Links."
 ■ Contact C.I.I. Representative (www.whro.org/cii)

FAQs Great Computer Challenge

Q. What are the dates for the 2006 competition?

A. ■ Senior Division - March 11, 2006 ■ Junior Division - April 29, 2006

Q. What is the deadline for registering?

A. ■ Senior Division - February 17, 2006 ■ Junior Division - April 7, 2006

Q. How do I register?

A. You can find the form in the Interactive Newsletter, or online at <http://www.whro.org/cii> and click on Student Activities then Great Computer Challenge. Please fill out the form, and mail or fax back to:
WHRO/C.I.I.
5200 Hampton Blvd. Norfolk, VA 23508
Or 757.489.0007 (fax)

Q. Can I pay by a P.O.?

A. Yes. Please include a copy of the P.O. with your registration form.

Q. Who do I make my check out to?

A. WHRO/C.I.I.

Q. How can I order extra shirts or totebags?

A. Your registration fee pays for t-shirts for the students participating, but not the alternates, or the coaches. You can order them ahead of time on your registration form. There will also be a limited amount available the day of the competition.

Q. Does each team have to bring a computer?

A. With the exception of Internet Scavenger Hunt, yes. One computer per team. A spare computer can be brought to the competition, but it must be left in the car.

Q. Do I need a computer for the Internet Scavenger Hunt?

A. No. This is the only competition that does not require a computer. The students will be working on PCs available in the ODU labs that will have Internet access. They will be using Internet Explorer as the browser.

Q. Can I enter a team with only one student?

A. Yes. For Levels 1-3, teams can have 1-3 students. For Level 4, they can have 1-5 students.

Q. How much time do the students have to work on their problems?

A. ■ Level 1 (grade K-2) - 1 hour (10:30 - 11:30 a.m.)
■ Level 2 (grades 3-5) - 1 hour and 45 minutes (10:00 - 11:45 a.m.)
■ Level 3 (grades 6-8) - 2 hours (9:30 - 11:30 a.m.)
■ Level 4 (grades 9-12) - 3 hours (9:30 a.m. - 12:30 p.m.)

Q. What if I don't have the students names yet? Can I still register?

A. Yes. Please email, fax, or call the names in when you get the students lined up. We need to know your category, level, and t-shirt sizes by the deadline. The students' names do not affect our preplanning.

Q. Is food provided?

A. No. Food is on your own, however several ODU restaurants will be open, and there are many others within driving distance.

Q. Can parents come?

A. They are more than welcome to come support their child. They will not be allowed in the rooms during the competition, but they can attend the awards ceremony. There will also be workshops available that they can attend. For the Junior Competition, the ceremony will take place on April 29, 2006 at 1:45 p.m. For the Senior Competition, the ceremony will take place on March 11, 2006 at 2:30 p.m.

Q. Can I set up the computers the night before?

A. No, there is no guaranteed security of the equipment. We recommend that you bring support to help you set up in the morning if you have several teams competing.

Q. Will I have Internet access for the Web Design competition?

A. No. You must be prepared to work with what you have on your hard drives or what you have brought with you.

Q. How many teams can we bring?

A. Each school may enter one team in each category (except for the following categories who may enter more than one team per school-music composition (3 & 4), visual basic (3 & 4), integrated applications (3 & 4), scientific or non-business (was C++) (4), JAVA (4), CAD (4). The *highest-grade* student on a team determines the level.

Q. How do we prepare for the competition?

A. Sample problems can be found at <http://www.whro.org/cii> and click on Student Activities then Great Computer Challenge and scroll to the bottom. You can use these problems with the students prior to the competition to expose them to the types of problems they may receive. They will receive a problem or problems the day of the competition to work on, one which they will have never seen before.

Q. I have heard that the competition is highlighted on the WHRO program, School Talk. How do I know when that program is going to be aired?

A. As soon as the program has been scheduled, we will email the coaches with the date and time. Be on the lookout for this email. On the registration form you can order a copy of the tape ahead of time for \$10.00.

Q. Does the Great Computer Challenge fall into the No Child Left Behind funding?

A. No, sorry. You or your school will need to pay the regular fees.

Registration Fee

■ Levels 1, 2, & 3

■ Level 4

\$35.00 (C.I.I. Member)

\$45.00 (C.I.I. Member)

\$85.00 (Non-Member)

\$95.00 (Non-Member)

■ \$50.00 late fee/team postmarked after registration deadlines

Q. What is the C.I.I.? How do I know if I am a member?

A. The Consortium for Interactive Instruction. If your school or school division is listed at www.whro.org/cii, then you are considered a C.I.I. member and can receive the discounted prices.

Q. What are the categories that we can register for?

A. ■ Level 1 (grades k-2)

Desktop Publishing

Graphic Arts

■ Level 2 (grades 3-5)

Desktop Presentations

Desktop Publishing

Graphic Arts

Internet Scavenger Hunt

■ Level 3 (grades 6-8)

Desktop Presentations

Desktop Publishing

Graphic Arts

Integrated Applications

Music Composition

Programming-Visual Basic

Web Design

■ Level 4 (grades 9-12)

CAD

Desktop Presentations

Desktop Publishing

Graphic Arts

Integrated Applications

Music Composition

Programming-Scientific or Non-Business (was C++)

Programming-JAVA

Programming-Visual Basic Web Design

Q. What software are we allowed to use?

A. There are no limitations on the software you can use at the competition. Listed on the registration form are samples of software that other teams have used in the past. You are not expected to use software from this list, and you are not limited to this list. The list is printed only to provide you with an idea of possible software options. The teams must provide the judges with instructions on how to use their software to view the solutions.

Q. Which categories need printers?

A. Printers are required for Desktop Publishing, Graphic Arts, Visual Basic, Scientific or Non-Business (was C++), JAVA, Integrated Applications, and CAD. It is needed for Music only if you plan on leaving the solution as printed sheet music instead of aural composition.

No printers are needed for Desktop Presentations, Web Design, or Internet Scavenger Hunt.

Q. Are there SQL correlations?

A. Yes, please visit www.whro.org/cii and click on Student Activities then Great Computer Challenge.