

South Burlington

2008 Summer Computer and Technology Camps

Grades 1-12

(7/21/08)

The South Burlington School District is pleased to offer a series of computer and technology camps this summer. Camps are open to both South Burlington residents and non-residents. There are camps available for students who will be entering first grade through twelfth grade next fall. All camps will run for 4 or 5 days, most for 3 hours each day. Individual dates and times are listed under each camp. Please register early to reserve your space. Registrations received after May 12th will be assessed a \$15 late registration fee.

Robotics Camps: The following two robotics camps all use special LEGOs that connect to an RCX—a microcomputer installed inside a large LEGO brick that controls motors, sensors, and gears. Students use ROBOLAB, a student version of LabVIEW—the software that ran the Pathfinder on Mars—to create programs to control their robots.

Mastering Mazes (Grades 4 – 7) Students will build mazes and construct LEGO robots to navigate them! Participants will use the timing and other programming features of ROBOLAB and special sensors to control their robots. No prior knowledge or experience is necessary. From beginners to experts, all levels will enjoy mastering the mazes! (A materials fee of \$5.00 is included in the camp registration fee.)

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
MM1	4-7	6/30-7/3	9-12	Theresa & Alex Anthony	FHTMS Lab 166	\$115	\$130

Robot Olympics (Grades 4 – 7) Students will construct and program LEGO robots to compete in a series of events! Participants will use their basic physics knowledge, engineering skills, and most importantly their creativity to design the fastest robot to win the DRAG RACE, the toughest robot to win the SUMO WRESTLING match, the best climber to win the HILL CLIMB, or the best dancer to win the ROBO DANCE COMPETITION. A prior knowledge of ROBOLAB is preferred, but not necessary. (A materials fee of \$5.00 is included in the camp registration fee.)

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
RO1	4-7	6/23-6/27	9-12	Alex Anthony & Justin Kaulius	FHTMS Lab 166	\$145	\$160

Digital Storytelling (Grades 1 – 3) Create your own digital story using HyperStudio, a multimedia authoring tool. Campers will design their own illustrations to create digital stories with text, animation, and narration using HyperStudio tools. Digital stories will be developed from storyboard ideas to complex presentations. Final projects will be transferred to a CD to take home and share.

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
DS1	1-3	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155
DS2	1-3	7/21-7/25	8:30-11:30	Kristen Courcelle Vasanthi Meyette	FHTMS Lab 166	\$140	\$155

Rocket Tech (Grades 3 – 6) Learn how to build, test, and launch solid propellant rockets that safely return to Earth. Create kites and learn about aerodynamics. Explore software used to design and test rockets. (A materials fee of \$30.00 is included in the camp registration fee.)

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
RT1	3-6	7/14-7/18	8:30-11:30	Bob Gurwicz	Orchard Library	\$170	\$185
RT2	3-6	7/14-7/18	12:30-3:30	Bob Gurwicz	Orchard Library	\$170	\$185

Digital Scrapbooking (Grades 4 – 6) Capture a personal experience in an electronic scrapbook. Campers will use Photo Story to combine digital pictures, text, narration, and music to create a digital scrapbook of a favorite experience (trip, camp, sports event, dance recital, etc.), memory (special pet, best friend, birth of a sibling, etc.), or another special event they want to document. Don't miss out on this chance to create a special keepsake! **Note:** Campers are encouraged to bring in pictures (digital and/or print) for use in this camp.

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
DS3	4-6	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155
DS4	4-6	7/21-7/25	12:30-3:30	Kristen Courcelle Vasanthi Meyette	FHTMS Lab 166	\$140	\$155

Web Publishing (Grades 4 – 6) Would you like to create your own space on the Internet that reflects your interests and talents? Do you have stories, illustrations, or favorite links that you'd like to share with the world? In this camp, students will create a personal web site that will be uploaded to the Internet. Topics to be covered include: text formatting, hyperlinks, backgrounds, fonts, tables, graphics, and sound. No experience is required. Join us and develop a web site that you will be proud of!

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
WP1	4-6	7/21-7/25	8:30-11:30	Donna Sullivan Macdonald	Orchard Library	\$140	\$155

Programming a Computer Game with HyperStudio (Grades 4 – 8) HyperStudio is a powerful, yet user-friendly multi-media authoring tool. In this camp students will learn a variety of HyperStudio programming techniques that they will use to create their own games—adventure games, quiz games, teaching games, and more. Students can attend one or both sessions and can focus on one major game project or several smaller projects. **Prerequisite:** Permission of the Computer Camp Coordinator. Please call Steve @ 652-7282.

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
PG1	4-8	8/4-8/8	9-12	Matt Guyette	FHTMS Lab 166	\$140	\$155
PG2	4-8	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155

Write and Film Your Own Commercial! (Grades 6 – 8) Students will learn how advertisers are successful in filming TV commercials and the techniques they use to draw consumers to a product or Public Service Announcements (PSA). They will script, film, and edit their own 30-60 second advertisements or PSAs using digital video cameras and Windows Movie Maker. Participants will also create their own original background music using MIDI music equipment. (A materials fee of \$5.00 is included in the camp registration fee.)

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
OC1	6-8	6/23-6/27	12:30-3:30	Karola Martin	FHTMS TIME Lab	\$145	\$160
OC2	6-8	6/30-7/3	12:30-4:15	Karola Martin	FHTMS TIME Lab	\$145	\$160

Digital Storytelling (Grades 6 – 8) Campers will use Photo Story to create a multi-media presentation of a personal experience or a topic of interest, or to create a digital story for younger kids. Final products will be movies that include pictures, text, narration, and music. We'll hold a grand premiere of student productions on Friday! **Note:** Campers are encouraged to bring in pictures (digital and/or print) of their own.

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
DS5	6-8	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155

Lights, Camera, Action! (Grades 6 – 8) Students will produce a movie using Windows Movie Maker. Combine live footage with stills, titles, narration, transitions, and music. Design a storyboard, use video cameras to take footage, and develop editing skills to produce your own video or work with other campers to produce a 60 second movie trailer. **Note:** If you'll be making your own video, please bring video footage. (Please call Steve Webster, 652-7282, for more information. A materials fee of \$5.00 is included in the camp registration fee.)

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
LC1	6-8	7/14-7/18	9-12	Amelia Lutz	FHTMS Lab 101	\$145	\$160

Introduction to 3D Computer Animation (Grades 6 – 12) Experience the computer graphics programs used to create the special effects in *The Incredibles*. Create 3D characters and animate them using the same techniques as today’s top game developers. Learn the basics of modeling and animation using state-of-the-art computer workstations. Everyone gets his/her own computer so there will be no “down-time” waiting for others!

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
IA1	6-12	6/16-6/20	9-12	Mike Dumont	SBHS Lab 139	\$140	\$155
IA2	6-12	6/16-6/20	1-4	Mike Dumont	SBHS Lab 139	\$140	\$155
IA3	6-12	6/23-6/27	9-12	Mike Dumont	SBHS Lab 139	\$140	\$155
IA4	6-12	7/7-7/11	9-12	Mike Dumont	SBHS Lab 139	\$140	\$155
IA5	6-12	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155
IA6	6-12	7/14-7/18	1-4	Mike Dumont	SBHS Lab 139	\$140	\$155
IA7	6-12	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155
IA8	6-12	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155

Advanced 3D Computer Animation: Modeling and Animation (Grades 6 – 12) In this session, you’ll extend your knowledge of the art of modeling. You’ll use sketching and design techniques to create a 3D character. You’ll sculpt your detailed character using advanced tricks of the trade. And you’ll also use the 3-step process of animating to bring your character to life. **Prerequisite:** Successful completion of one SBSD computer animation camp.

Camp #	Grade (9/2008)	Days	Time	Instructor	Location	Until 5/12/08	After 5/12/08
AA1	6-12	6/23-6/27	1-4	Mike Dumont	SBHS Lab 139	\$140	\$155
AA2	6-12	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155
AA3	6-12	7/28-8/1	9-12	Mike Dumont	SBHS Lab 139	\$140	\$155
AA4	6-12	Cancelled	Cancelled	Cancelled	Cancelled	\$140	\$155
AA5	6-12	7/28-8/1	1-4	Mike Dumont	SBHS Lab 139	N/A	\$155

Registration & Participation Details:

- The camps are open to all—they are not limited to South Burlington residents.
- Students may register for one or more than one camp.
- Students may attend multiple sessions of two camps (Introduction to 3D Computer Animation and Advanced 3D Computer Animation).
- Successful campers will be able to work independently, with guidance and support from the instructor. If your child may need special accommodations in this setting, please let us know so we can help you determine how to ensure his/her success.
- Enrollment is limited to 9 – 12 campers per instructor.
- We reserve the right to cancel any under-enrolled camps.
- We also reserve the right to dismiss students for serious behavioral issues/problems. Registration fees for a student dismissed for such an issue or problem will **NOT** be refunded.
- There will be **No Refunds** (unless a camp is cancelled). We will mail you a confirmation of registration when we have enough registrations to run each camp or a refund if a camp is cancelled.

Additional copies of this flier and the registration form are on-line at www.sbschools.net (follow the **Summer 2008 Computer and Technology Camps** link) and at each South Burlington school. If you have questions, please call 652-7390.