

# ROP Advanced Web & Graphic Design Syllabus & ROP Advanced Computer Animation Syllabus

Rancho Buena Vista High School - Room: 220

Instructor: Mrs. Donna Tlachac

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## RBVHS Advanced Web & Graphic Design - Advanced Computer Animation Catalog Description

Students work on real world projects, further developing electronic portfolios. This class simulates the business environment and provides internship opportunities within the classroom.

### Course Description

Both ROP Advanced Web & Graphic Design and ROP Advanced Computer Animation are an intermediate to advanced course in graphic design, interface design, and digital animation. The most challenging part of web publishing is research or gathering quality information and then organizing the information in a graphic user interface that is readily understood by the viewer. The graphic and web design projects move from the "makeover" projects, where all of the information is provided, to "open" or "all-inclusive" scenarios in which the student must find and organize as much information as needed by the client. Multimedia Projects include preparation of static web pages and corresponding FLASH content. Often times, students first prepare collateral print materials that support the project. Therefore, the students understand the concept and process of product branding.

### Course Objectives

Students in this course will develop four types of knowledge:

- 1. Technical user knowledge** of existing web development hardware and software including HTML, web browsers, web design editors, graphic design or drawing applications, digital imaging applications, multimedia 2-D and 3-D animation authoring, and the use of scanners, digital cameras, and digital video cameras. Functional and logical components such as FLASH ActionScript, JavaScript Scripts, ecommerce modules, database tables and programming, and search engine optimized and tested design are included.
- 2. Information design** knowledge for publishing the on the computer screen including resolution considerations, the principles of orientation, interface design, site design, navigation, chunking of information, emphasis, and editorial style.
- 3. Project management knowledge** of web site development process including working with clients, negotiating features, developing timelines, preparing Functionality Requirements documents, reporting and establishing update process reports.
- 4. Graphic Design knowledge** including page layout for the Internet, typography, the principles of design, elements of art, and user based design. Throughout the course, an emphasis is placed on the creative process. Effective design principles are discussed as they apply to graphic communication. Art criticism techniques are applied to ensure proper evaluation of the aesthetic and functional qualities of electronic publications. Students will also learn how to produce electronic data that can be repurposed for print publications and vice versa.

### Project Based Learning Activities and Assignments

Simulating the workplace, students will contract with the Instructor to complete the following Web Design II & Comp Animation II projects. These active learning cases move from simple makeover project to complex web sites for academic and community clients.

#### Proposed Classroom Projects\*

National Parks Portal	Site for a RBV Teacher, Counselor, or org	Site for a Retail Organization
Poetry Site FLASH & HTML	Vacation Get Away site	Restaurant Web site design
Themed Cook Book Site FLASH & HTML	Fictitious Business Site & Logo Design	The AD Council - Public Service Org
Environmental Conservation Site	Electronic PDF Resume (published on white paper)	Community Client Group Project
Elements of Design site PP & in Frames	Logo, Animated Logo & Stationery design	Back to School Nite - Grad Nite pages
Tutorial site in Frames - FLASH & HTML	ROP Organization & RBV International Club	Individualized project – FLASH & HTML
Mini Lesson Movie FLASH	Digital Autobiography Movie FLASH	Portfolio & Learning Review
FLASH Game Development	FLASH Video Presentations	FLASH Slide Show & Photo Gallery
FLASH online quiz, with feedback, scoring and tracking		FLASH Cartoon Animations
* Individually designed student projects will be approved by Mrs. Tlachac throughout the course		

### Community Based Projects

Students will be responsible for contributing in volunteer work on a community based project.

### Presentation Quality Checklist Portfolios

During the course each student will create a portfolio web site in Dreamweaver that will be published to the Internet. Projects, exercises, assignments, and animations will be published as individual web pages of the site. At course completion, each student will have created a professional quality online portfolio site which they can present to a prospective employer, client, College or University. To view your son or daughters electronic portfolio, point your browser to:

<http://www.vistaadultschool.com/teachers/dtlachac/2009-10/1period/yourlastname.index.htm>

## **ROP Advanced Web Page Design and ROP Advanced Computer Animation are certificated courses offered by ROP (REGIONAL OCCUPATIONAL PROGRAM)**

Basic workplace and job acquisition skills are emphasized throughout the course to build an awareness of career options and advanced educational opportunities in the field of computerized graphic design, web design, web site development, multimedia development and computer animation.

Upon completion of the course, each student can receive a **R.O.P. Certificate of Competency in Web Page Design and Animation issued by the San Diego County Office of Education Regional Occupational Program**. On the ROP Certificate, the marketable skills learned during the year are described in detail for employers or college counselors and are often 4– 5 pages in length.

### **Articulated with the California Community College System**

All students who receive an A or a B will be eligible for college credit.

### **Participation**

This is a project based, hands on course, where course work simulates current industry standards and practices. We will use instructor led demonstrations to introduce new concepts. Class exercises teach the students about the tools they can use to create computer graphics, animations and web sites that present clear visual messages. The curriculum is presented as an applied art and technology course.

### **Online Support:**

Class Web site: <http://www.tlachac.com>

Companion Web Site for text: Web Style Guide <http://webstyleguide.com/>

Adobe Tutorials <http://www.adobe.com/>

### **Attendance is vital for success!**

Since classroom activities play a major part in each student's success in the class, attendance is critical. When a student is absent, it is his or her responsibility to make up the assignments that were missed.

### **Projects & Assignments**

Projects and assignments are assigned a value in points and are scored according to **quality, creativity and adherence to project guidelines**. Student may earn points per finished exercise, assignment, or project.

### **Late Work**

Assignments are due on time! Partial credit may be given at the Instructors discretion.

### **Grading Policy**

Students will receive a grade for work completed during each progress report period. A cumulative grade is assigned at the end of each semester. Students are graded on projects, assignments, quizzes, exams, attendance, and participation in classroom activities, attendance, and conduct.

### **Course Grading Criteria & Competency Scale**

A percentage system is used based on the total points received for all work completed. Work place and trade related competencies are also evaluated for certification purposes according to the following criterion-based system.

A= 90 –100	All major and minor goals achieved
B =80 – 89	All major goals achieved; some minor ones not
C =70 – 79	All major goals achieved; many minor ones not
D= 60 – 69	A few major goals achieved, but student is not prepared for advanced work
F= 0 – 59	None of the major goals achieved

### **Expectations**

The following rules of conduct must be followed at all times:

- The Rancho Buena Vista Technology Acceptable Use Policy is strictly enforced at all times!
- Any attempt to circumvent the RBV security system is strictly prohibited.
- Students MAY NOT download, unzip, or install any programs or compressed files.
- Students may not join, view the web site of or use file-sharing server to download songs or programs.
- Chatting, instant messaging, posting to a message board, reading a message board, and writing, reading or receiving E-mail is not allowed in room 220 unless you are directed to do so.

### **Character Statement**

Students of Rancho Buena Vista High School will demonstrate **Good Character** on and off campus. Each student is **Trustworthy** and consistently shows **Respect** and **Responsibility** to themselves and others. They are **Fair** and **Caring** in all their actions and model appropriate **Citizenship**.

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**Agreement**

Name \_\_\_\_\_ Class \_\_\_\_\_ Period \_\_\_\_\_

Please read, sign, and return this page of the syllabus to Mrs. Tlachac for your first points.  
**Signed, this is worth 25 points when returned before \_\_\_\_\_.**

.....  
Dear Parents,  
Please feel free to call me if you have any questions, or if you would like to set up a conference. Visit our classroom on Back to school night. The **RBV Back-to-School Dinner & RBV Back-to-School Night** is scheduled for the evening of **Tuesday, September 18**. I look forward to meeting you and to getting to know your son or daughter.

Please print the following information so that I may reach you if necessary:

Student: (Please Print) \_\_\_\_\_

Parents Names: (Print) \_\_\_\_\_

Home Phone: (Mother) \_\_\_\_\_ (Father) \_\_\_\_\_

Work Phone: (Mother) \_\_\_\_\_ (Father) \_\_\_\_\_

Please list any concerns that you would like me to be aware of \_\_\_\_\_

.....  
**Student and Parent:** Please Read and Initial below before the statements if you understand them.

**Parent      Student**

\_\_\_\_\_ \_\_\_\_\_ Students MAY NOT download any programs or compressed files to the RBV network.

\_\_\_\_\_ \_\_\_\_\_ Students may not share files or join a file sharing program on the RBV network. (Kazaa)

\_\_\_\_\_ \_\_\_\_\_ Students may not unzip, or install any programs to the RBV network. (Games, viruses)

\_\_\_\_\_ \_\_\_\_\_ Students may not use remotely operated software to log keystrokes, run programs or commandeer another computer on the RBV Network. (Malware, viruses, scripts)

\_\_\_\_\_ \_\_\_\_\_ Students should follow the rules of the RBV handout at all times, remain conscientious of appropriate classroom conduct, and choose to view decent Internet content.

**I understand the information on Mrs. Tlachac's in class expectations and of the RBV character statement of conduct.**

**Parent / Guardian Signature** \_\_\_\_\_

**Student Signature** \_\_\_\_\_

.....  
**Students please fill out the following:**

**Do you have access to the Internet at home?**      Yes      No

**I hope to learn:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Have you taken an art, computer, technology, or web publishing class? I have taken**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Comments:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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