

Creative Freedom Through New Technology



HARMONY

NETWORK ANIMATION SOLUTION

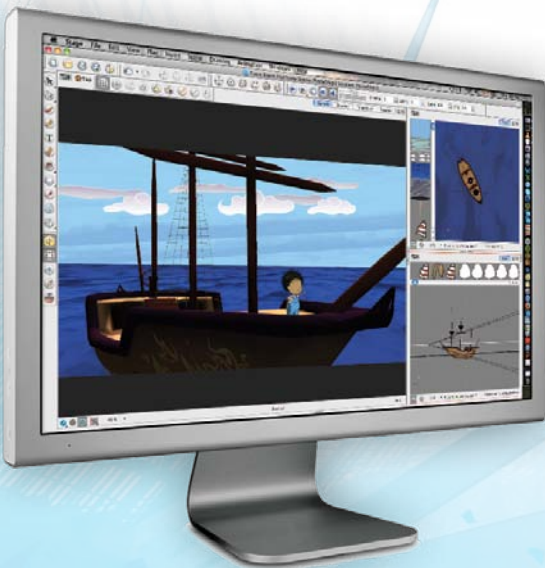
Why Harmony?

Harmony is the industry standard when it comes to creating 2D content, whether it's for television, movies, or online. 70% of all broadcast cartoons in North America are produced with the Harmony solution. Studios are choosing to use Harmony because of the savings that are derived from increased efficiency due to the sophistication of the technology.

Creative Freedom Through New Technology

Harmony 9 has developed a toolset that redefines creative freedom in the digital platform. With tools like **True Pencil**, the ability to draw with pencil lines supporting textures, and **Deform**, the ability to deform images and drawings over a period of time using advanced bone and curve deformers, students can feel free to unleash their creativity to create animations in many different styles.

Students can also experiment with **Effects Inside**, the ability to access built-in particle effects and dozens of other effects, and **2D-3D Integration**, the ability to import and modify 3D assets within Harmony as well as transform elements on all 3 axes.



Building the future

Studios around the world are looking for, and not finding, trained individuals who can work in a Harmony Pipeline environment. Teaching them the cutting-edge technology that is being used in the studios today is going to give them a leg up in the job hunt.

Training the Teachers

Toon Boom is dedicated to providing the training necessary to get new educational institutions up and running with the Harmony Solution. A team of trained consultants can do training on-site to get teachers up to speed in the latest technology.



Field-proven digital software. Toon Boom's client base ranges from major studios creating Hollywood blockbuster animated films to individual animators creating their first masterpieces. Market-leading studios using Toon Boom's products include Nelvana, Warner Bros., Mercury Filmworks, Yowza Animation, Bento Box, China Central Television, Toonz Animation India, eMation, Rough Draft Korea, Alphanim, Cromosoma and Enarmonia, to name a few. Some of the prestigious productions done with Toon Boom's technology include *Les Triplettes de Belleville*, *Looney Tunes: Back in Action*, *The Rugrats*, *SpongeBob The Movie*, *Hanuman*, *Curious George*, *Go West: A New Lucky Luke Adventure*, *Simpsons The Movie*, *Chico & Rita* and *The Princess and the Frog*.

Harmony Art Curriculum

The Harmony Art Curriculum is intended for higher education level animation schools which teach traditional, tradigital (paperless) and digital cut-out animation. It serves as a solid stepping stone to prepare students for market needs.

What is the Goal?

The goal of this curriculum is to guide the student to a level of experience where he will be able to work in a production environment using cutting-edge technology and production-standard software.

What Topics are Covered?

Here is a list of some of the main topics covered in this curriculum:

- Introduction to the history of animation
- Introduction to the animation techniques
- Introduction to the animation workflow
- Character design
- Character construction sheet
- Timing
- Squash and stretch
- Anticipation, drag and overlapping action
- Traditional two legged walk-cycle
- Traditional four legged walk-cycle
- Jump animation
- Exposure Sheet and timing
- Timeline
- Digital animation
- Acting
- Take
- Breakdown and lip-sync
- Digital morphing
- Layout and posing
- Compositing
- Digital scene setup
- Digital 3D scene setup
- Multiplane
- Camera
- Symbols
- Library
- Asset management
- Computer generated effects
- Cut-out character design
- Cut-out character breakdown and rigging
- Cut-out character animation
- Cut-out character lip-sync
- Cut-out four legged walk-cycle
- Output and rendering
- Particles
- 2D 3D Integration
- Deformation

How is The Curriculum Organized?

TEACHER GUIDE

The Teacher Guide is only intended for the teacher. It contains explanations related to the modules, activities and outline as well as all the examination, evaluation grids, and correction grids for the student workbook.

STUDENT WORKBOOK

The workbook is comprised of 30 modules and contains all the theory and activities for the entire course. With this workbook, the student has all the tools he needs to learn and practice his animation skills.



Draw the line

TOONBOOM **HARMONY**
NETWORK ANIMATION SOLUTION

Discounts on Educational Licenses

Toon Boom Harmony is affordable. All full-time and part-time students, teachers and faculty members attending schools or educational institutions are eligible to purchase Toon Boom products at significant discounts.

Please see the educational section at www.toonboom.com/edu for more details.

Volume discounts are also available for multi-seat or network licenses. For more information please contact our Academic Team at academic@toonboom.com.



Works with Storyboard Pro and Pencil Check Pro

For complete education in animation production, use Toon Boom Harmony family in conjunction with Pencil Check Pro and Storyboard Pro.

Pencil Check Pro is the premier line testing software that enables you to create and preview the line test movie with synchronized sound, in real-time while filling the exposure sheet using industry standard tools. As for Storyboard Pro, this powerful storyboarding application is the tool of choice to create an entirely digital storyboard and generate animatics (leica reel).

Specifications are subject to change. For the most up-to-date information on Harmony or any other Toon Boom product, please contact: academic@toonboom.com

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Toon Boom Animation Inc. is the worldwide leader of digital content and animation creation software. Winner of the 2005 Primetime Emmy® Engineering Award, Toon Boom clients range from major studios creating Hollywood blockbuster animated films to individual animators creating their first masterpieces. Toon Boom Animation is committed to delivering quality, efficiency and reliability to the animation community – for all animation styles, formats and users.

Images courtesy of Radical Sheep Productions/Mercury Filmworks

