ATTACHMENT
YAMAHA MUSIC EDUCATION CENTRE IN SEMARANG
Ina Ratnawati – 06.11.0027

History of the Tuning Fork Mark

In 1898, one year after the establishment of Nippon Gakki Co., Ltd., forerunner to today’s Yamaha Corporation, the company decided to use a tuning fork as its corporate mark, with “a design featuring a hoo (Chinese phoenix) holding a tuning fork in its mouth” as the trademark. Since then, after undergoing a variety of changes that paralleled the growth of the company, the tuning fork mark was finally unified in 1967.

Changes in the tuning fork mark

1898
This is the design with a hoo (Chinese phoenix) holding a tuning fork in its mouth, which was established as the trademark in 1898, one year after Nippon Gakki Co., Ltd. was established.

1934
A design widely used in newspaper advertising and catalogs.

1937
A trademark application was submitted for this tuning fork used on organs.

1939
A trademark application was submitted for this tuning fork used on pianos.

1956
A trademark application was submitted to be used on musical instruments.

1959
A trademark application was submitted to be used on musical instruments.

1998
The current standard and special versions of the tuning fork marks were established.

1927
A trademark application was submitted for this tuning fork and Yamaha Veneer mark.

Changes in Yamaha’s Logotypes

1967
The Yamaha logo type was established. (A mark similar to the current special version of the logo was also used as a ‘reverse design’.)

1980
The Yamaha logo type was revised. A design using simple lines (the current special version of the logo) was established as the standard version of the logo.

1987
The company changed its name to Yamaha Corporation to mark the 100th anniversary of its founding. To emphasize the Yamaha name, the tuning fork mark was eliminated.

1998
The current standard version of the Yamaha logo type (upper line) and special version (bottom line) were established.

Faculty of Architecture and Design, Department of Architecture
Soegijapranata Catholic University Semarang
Yamaha Music Education System Courses for Children (operated in Japan)

Teacher Recruitment / Training

Partners in conveying the Yamaha Music Education System

Responsibility for realizing Yamaha's aspiration of "conveying the joy of music to all" lies with the teachers in Yamaha Music Education System. Teacher qualification examinations are conducted for applicants who majored in music at university or have equivalent musical knowledge and skills, and trainings are provided on a regular basis to those who have passed the examination. During new teacher training - which covers such areas as the instructional techniques and musical ability expected of a teacher - we provide in-depth advice on basic teaching methods and interaction with children, and the future teachers gain practical experience in teaching through practice lessons. New teachers can also access the website set up exclusively for new instructors to replay videos of the lessons they observed in training. We offer our teachers further training and classes for career enhancement, and we are offering a variety of courses nationwide open to all music teachers, not just our own. We also hold teachers' symposia to afford teachers across the country opportunities to present and discuss the results of research on in-class instruction. These symposia provide valuable information on education and instruction, and the findings presented are effectively reflected in curricula and textbook development. We also hold international teacher conferences attended by teaching staff at Yamaha Music Schools overseas as part of our endeavors to qualitatively improve our music education activities.
Yamaha Music Lessons for Adults

Music for a lifetime

Yamaha’s Music Lessons for Adults are available for both beginners interested in learning to play a musical instrument as a hobby and for musicians at an intermediate to advanced level desiring to improve their skills further. These lessons are designed to help adults learn and improve performance techniques comfortably and enjoyably, and are currently being taken by approximately 140,000 adults at 2,500 locations nationwide.

1. Comprehensive subjects and courses

Yamaha offers a wide variety of subjects— including band, voice, choir, wind and string ensemble, and solo keyboard—with courses available at the beginning, intermediate, and advanced levels in each of these subjects.

2. Proficiency-oriented curriculum and Yamaha teaching materials

We provide instruction utilizing original Yamaha teaching materials and a curriculum developed around the teaching techniques we have cultivated through many years of experience including music lessons for adults.

3. Group lessons

Music Lessons for Adults contain group lessons that offer highly effective instruction. Students are able to learn many elements that cannot be experienced in individual lessons—for example, the sense of harmony and balance required when performing ensembles—and studying alongside fellow music lovers makes the lessons all the more enjoyable.

4. Rich repertoire spanning musical genres

Our Music Lessons for Adults utilize a repertoire suited to the tastes of all generations and feature a diversity of musical genres that provide a wide range of musical experiences.

5. Dedicated Accompaniment Sound Data for lesson support

Music Lessons for Adults use dedicated accompaniment sound data for all courses which enhances the musical experience of the students by re-producing the sensation of playing in a band or ensemble.

6. Outstanding instructors

Our highly qualified instructors have all passed the Yamaha Instructor qualification examination and have undergone training before being certified to ensure that they are able to offer enjoyable and informative lessons.
Fast track to Enjoy Music

YAMAHA
CHILDREN ELECTONE COURSE
(Usta 6-8 tahun)

Materi Belajar

* Musik belajar 3 tahun
* Pamerkan selalu baru (kesenian dibuka)
* Februari & Agustus
* Format belajar di kelas
* Kelas pelatihan dengan 8-10 siswa
* Waktu belajar : 1 tahun 40 kali perpuluh (1X seminggu) @ 60 menit.

Materi Pelajaran

* Textbook & CD

CHILDREN ELECTONE COURSE

Selamat datang di Yamaha Music School.
Yamaha Music School memiliki sistem pengajaran yang tepat dengan tingkat yang disesuaikan dengan usia dan perkembangan anak.

Di Yamaha Music School telah melatihkan banyak kurus dalam 50 tahun lebih majunya dan telah berkembang di lebih dari 40 negara dengan lebih dari 170,000 siswa.

Yamaha Music School Around the World

Apakah CEC?

Melalui CEC, anak-anak mengembangkan kemampuan dasar permainan Keyboard sambil merasakan kegembiraan bernyanyi, dan setelah mendapat pengalaman "ingat bernyanyi lebih banyak" dan percaya diri, mereka menangani step-up ke level berikutnya.

Sekolah cantik, semak sema pada landasan sebuah rumah, semakin ke arah bangunan.

Dalam pelajaran bermain keyboard, anak-anak dapat mengembangkan kemampuan bermain di kemudian hari melalui berbagai jenis pengalaman seperti "mendengar, membaca, bernyanyi dan leluah.

COI

Cara mempelajarinya adalah membuatkan metode bermain yang benar dengan menggunakan komputer dan melibatkan orang lain dalam praktik praktis, memastikan bahwa mereka belajar baik dan cepat.

1. Timly Education


2. Group Lesson


Keunikan yang dapat dipesan anak-anak bisa bergabung dalam kelas CEC.

Yamaha

Melalui proses ini, CEC menciptakan agar mereka berpikir "musik itu menyenangkan" dan "dapat mengembangkan diri dari sisi musik (permainan keyboard)".

Pendekatan musik Yamaha bersangkutan dengan yang kesenian. Sekolah anak-anak mempelajari bermain keyboard (memperbaiki grade 9 piano elektro), mereka mendapat bermain dan "piano junior" atau "electone junior". Sementara itu, bermain bersama kunci yang akan mengembangkan kemampuan bermain keyboard secara bersama.

Faculty of Architecture and Design, Department of Architecture
Sogijapranata Catholic University Semarang
JUNIOR MUSIC COURSE

Salaman dari Yamaha Music School

Yamaha Music School memiliki sistem pengajaran yang tepat dengan lingkungan yang disesuaikan dengan usia dan perkembangan anak. Yamaha Music School telah melahirkan banyak lulusan dalam 50 tahun lebih, salah satunya dan telah berkembang dari lebih dari 40 negara dengan lebih dari 170.000

Yamaha Music School Around the World

Apakah JMC?

Metode belajar di JMC menggunakan metode yang sangat efektif untuk diterapkan pada usia 4-5 tahun, dimana anak-anak dirangsang untuk memainkan musik.

Mengikuti kursus juga diperkenalkan minat anak-anak untuk mempelajari musik, dengan cara bermain.

Agar anak-anak bisa memahami bagaimana belajar melodi, dengan menggunakan melodi yang sederhana, tidak melibatkan pengetahuan teori hingga saat ini.

Kemampuan belajar anak-anak akan memperoleh pengalaman baru melalui berbagai aktivitas. Sehingga anak-anak dapat menikmati musik dengan penuh rasa pancayani.

Kursus yang diperkenalkan oleh Yamaha Music Foundation Jepang, agar anak-anak dapat belajar musik dengan sungguh-sungguh dan menikmati aktivitas musik yang lekas.

Keuntungan yang dapat dipetik adalah anak-anak bisa bergabung dalam kelas JMC adalah:

1. Timely Education

Metode pengajaran di kelas JMC disesuaikan dengan perkembangan fisik dan mental anak-anak pada umurny.

2. Group Lesson

Anak-anak memperoleh pengalaman bermain musik bersama, ini membantu dalam meningkatkan kemampuan berkomunikasi dan bekerja sama. Melalui ini, anak-anak akan mendapat pengalaman mengembangkan keterampilan sosial dan keterampilan bermain bersama dalam sebuah ensemble yang menyenangkan.

3. Parent’s Attendance

Partisipasi orang tua di kelas sangat membantu anak dalam mengembangkan dan meningkatkan kemampuan bermusiknya, sehingga kegiatan belajar musik di kelas juga dapat berlangsung optimal.

4. Using Keyboard Instrument

Penggunaan alat musik elektronik di kelas sangat sesuai untuk keterampilan otak yang anak, 2 staff keyboard elektronik membuat mereka bisa membedakan suara melodi dan harmoni dengan jelas, mengembangkan suara yang tepat pada musik dengan penuh rasa pencapaian.
4.7.2 Voltage and $V_{OC}$

While current is proportional to intensity, and therefore directly related to IPV radiant energy intensities, voltage is less affected, i.e. it varies with the log of intensity [see equation (4.7)]. At indoor intensities, improvements of the voltage can be achieved by maximising the parallel resistance, as the related leakage current may otherwise be comparable with the photocurrent.

Improvements are also possible by improving the photocell ideality. The case of an ideal junction is described mathematically in equation (4.7). In practice, equation (4.11) can be used [113]. Here, $A$ represents how 'ideal' the junction is and takes a value between 0 and 1:

$$V_{OC} = A \left[ \frac{kT}{q} \ln \left( \frac{l}{l_0} + 1 \right) \right]$$

(4.11)

Therefore, maximising ideality $A$, or 'junction perfection', will also benefit $V_{OC}$.

As already indicated in subsection 4.4.3, the calculation of $I_R$ takes into account the reflectivity of the front surface facing incident light. From optics, the reflectivity of normal incident light is related to the refractive index by the complex refractive index $n_c = n - ik$ as follows:

$$R = \frac{(n-1)^2 + \kappa^2}{(n+1)^2 + \kappa^2}$$

(4.8)

Using this equation with the appropriate values for silicon, for example, gives a reflectivity of around 30% [99], p. 41. In practice this can be reduced by antireflection coating to about 10%, or light trapping to about 3% (by preferential chemical etched texturing), or a combination of both to around 2%.

The radiant energy that is transmitted into the semiconductor material then suffers exponential attenuation of the form

$$S(x, \nu) = S(\nu) \exp(-\alpha_c x)$$

(4.9)

with the absorption coefficient

$$\alpha_c(\nu) = \frac{4\pi k \nu}{c}$$

(4.10)

where

- $S(\nu) =$ number of incident photons (per unit time, area and energy)
- $x =$ distance from the semiconductor surface (m)
- $\nu =$ frequency of the incoming radiant energy
- $\alpha_c =$ absorption coefficient