

Charles Carroll Elementary School
21st Century Arts Resources for Parents and Teachers
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I. Annotated Research Sites

The Dana Foundation

Includes up-to-date brain research on a variety of topics

<http://dana.org/>

The site also includes lesson plans for teachers

http://dana.org/resources/brainykids/detail.aspx?folder_id=108

The Music and Neuroimaging Lab of Harvard Medical School

Includes free access to PDF research articles

<http://www.musicianbrain.com/#publications>

Neuro-Education Initiative of Johns Hopkins University

Includes research and interdisciplinary dialogue between scientists and educators

www.education.jhu.edu/nei

Keep Arts in Schools

Includes latest news, research, and advocacy support; funded by the Ford Foundation

www.keepartsinschools.org

Project Zero

Includes arts-related articles and publications from Harvard University

<http://www.pz.harvard.edu>

II. Books for Further Information

The Intelligent Eye, Learning to Think by Looking at Art by Dr. David Perkins

Musicophilia by Dr. Oliver Sacks

Ability Development From Age Zero by Dr. Shinichi Suzuki, trans. Mary Louise Nagata

Endangered Minds by Dr. Jane Healy

The Brain That Changes Itself by Norman Doidge, MD

III. Websites

Getty games

www.getty.edu/gettygames/

Interactive games using various images from the collection of the Getty Museum. This is a great way to become familiar with new art and artists. Challenges memory and observation skills.

Carnegie Hall Listening Adventures

Includes games such as an interactive introduction to the orchestra, and performances of various musical repertoire

<http://www.carnegiehall.org/article/exploreandlearn/artonlineresourceslisteningadventures.html>

Lomax the Hound of Music

An Interactive Music Website for Students K-1st grade

<http://pbskids.org/lomax>

Play the Melody Game with Lomax the Dog

http://pbskids.org/lomax/games_melodymatch.html

Play the Pitch Game with Lomax the Dog

http://pbskids.org/lomax/games_slideseek.html

(Also a TV Show)

Brainy Kids Fun Life Science

A website created for children by The Dana Foundation

http://dana.org/resources/brainykids/detail.aspx?folder_id=108

All About the Orchestra: Play Music

Website created for children by the American Symphony Orchestra League

<http://www.playmusic.org/>

PBIS Kids

Music Games:

<http://pbskids.org/games/music.html>

The Kennedy Center ArtsEdge Resources for Parents

Articles concerning everything from acting and storytelling to decorating Halloween costumes

<http://artsedge.kennedy-center.org/families/at-home.aspx>

Music

Pandora radio

<http://www.pandora.com>

You can program this website to play any kind of music. Each choice sets up a "station" that remains for you in your Pandora account. You can create as many kinds of radio stations that you like. It is free for about 40 hours /month. For \$36.00 you can subscribe unlimited for a year -

that's 24/7 music for \$3.00 a month.

IV. Things to Do at Home

For Visual Art work:

1. Make a portfolio large enough to hold 24 inch paper. Use cardboard from boxes. Keep this in a place safe from siblings and pets. When work is made at home collect and store it. Put work from school there as well.
2. Set up a permanent area that can be used to draw, paint, and sculpt. You'll need Newspapers to cover and protect the work area, containers of pencils, paints, brushes, paper - even newspaper and magazines can be used with paint. Teach your child how to care for the materials so they stay in good shape and the area stays clean. Your children know good studio habits for working safely and responsibly from Kindergarten on - remind them to show you.
- 3-D work can be made from cardboard, paper, and tape. This also makes a sturdy armature for paper mache. Elmers glue with equal parts of water will work with strips of newspaper. If you use toilet paper it hardens and looks like stone!
3. Definitely have a place where art work can be exhibited. Have an art opening: fix snacks, ask the artist(s) to tell you about their ideas and show you where these occur in the work.
4. Art is everywhere: in books newspapers, magazines, on the web, outside your window - there are so many categories. Spend some time with each other describing what you see and what you think of. Play the "I Spy game".

For Music:

1. Access free music staff paper from the website www.blanksheetmusic.net for the composers in your household. Allow them to experiment with melodies on their recorders, keyboards, the piano.
2. Create a music collection for listening time. Here is an abridged list of some famous composers and performers to look for when adding to your collection:

- Johann Sebastian (J.S.) Bach
- Mozart
- Beethoven
- Brahms
- Schumann
- Tchaikovsky
- Elgar
- Rimsky-Korsakov
- Wagner
- Mahler
- Miles Davis (*Kind of Blue* is a standard jazz recording)

–Coltrane
–Ella Fitzgerald (excellent jazz singer)

If money is tight, try to look for recordings at the library or on You Tube.

3. Look for music stands for the musicians of your household who play band/orchestral instruments or the recorder (3rd-5th grade students at CCE). Set aside a place in the house where they can practice freely after school.
4. Consider purchasing Christmas gifts or birthday gifts from a local music store. Chromatic tuners as well as metronomes are important for band and orchestra members to have. Sometimes you can find music knickknacks such as music mugs, ornaments, small African percussion instruments, etc.

V. Applications for Other Content Areas

Johns Hopkins New Horizons For Learning Public-Access Online Journals
Read the Online Journals to learn more about arts integration, creativity, and other topics on education

<http://education.jhu.edu/newhorizons>

Hoagies' Gifted Education Page ERIC: Integrating the Arts for Gifted Students
Provide ways to meet the needs of gifted students through arts enrichment of the curriculum

<http://www.hoagiesgifted.org/eric/e631.html>

The Kennedy Center ArtsEdge Resources for Teachers
Integrate the arts into your curriculum with lessons from this website

<http://artsedge.kennedy-center.org/educators/lessons.aspx>

National Educators Association Tools and Ideas: Integrating the Arts

Access Articles:

<http://www.nea.org/tools/31207.htm>

Access resources, websites, and articles:

<http://www.nea.org/tools/40880.htm>

The Walters Art Museum: Integrating the Arts

Access lessons plans for teachers K-12 as well as professional development opportunities

<http://thewalters.org/teachers/resources/multimedia.aspx>

What Does Neuroscience Tell Us About The Arts?

Dana Arts and Cognition Consortium Findings on the Effects of Arts Training

- 1.** An interest in a performing art leads to a high state of motivation that produces the sustained attention necessary to improve performance and the training of attention that leads to improvement in other domains of cognition.
- 2.** Genetic studies have begun to yield candidate genes that may help explain individual differences in interest in the arts.
- 3.** Specific links exist between high levels of music training and the ability to manipulate information in both working and long-term memory; these links extend beyond the domain of music training.
- 4.** In children, there appear to be specific links between the practice of music and skills in geometrical representation, though not in other forms of numerical representation.
- 5.** Correlations exist between music training and both reading acquisition and sequence learning. One of the central predictors of early literacy, phonological awareness, is correlated with both music training and the development of a specific brain pathway.
- 6.** Training in acting appears to lead to memory improvement through the learning of general skills for manipulating semantic information.
- 7.** Adult self-reported interest in aesthetics is related to a temperamental factor of openness, which in turn is influenced by dopamine-related genes.
- 8.** Learning to dance by effective observation is closely related to learning by physical practice, both in the level of achievement and also the neural substrates that support the organization of complex actions. Effective observational learning may transfer to other cognitive skills.

About the Dana Foundation

The Dana Foundation is a private philanthropic organization with particular interests in brain science, immunology, and education. In addition to making grants for research in neuroscience and immunology, Dana produces books and periodicals from the Dana Press; coordinates the international Brain Awareness week campaign; and supports the Dana Alliance for Brain Initiatives, a nonprofit organization of more than 250 neuroscientists, including ten Nobel laureates, committed to advancing public awareness of the progress of brain research.

In 2000 the Foundation extended its longtime aid to education to fund innovative professional development programs leading to increased and improved teaching of the performing arts. Dana's focus is on training for in-school art specialists and professional artists who teach in public schools. The arts education direct grants are supported by providing information such as "best practices," to arts educators, artists in residence, teachers and students through symposia, periodicals, and books.

The Dana Web site: www.dana.org