

Web Resources:

(I will put links to these at my web page <http://www.math.wisc.edu/~wilson>)

Lots of images of tilings in art, pottery, wall and floor tiles, etc., from many cultures and time periods:

<http://www2.spsu.edu/math/tile/grammar/index.html>

Lots of tiling pictures:

<http://www2.spsu.edu/math/tiling>

Lots of Escher tessellations by pictures:

<http://www.tessellations.org/eschergallery1thumbs.htm>

NCTM Illuminations:

<http://illuminations.nctm.org>

Discussion and Proofs of the Pythagorean Theorem:

<http://www.cut-the-knot.org/pythagoras/index.shtml>

Rep-Tile worksheet for class:

<http://illuminations.nctm.org/lessons/6-8/reptiles/reptileworksheet.htm>

Lesson plan on Rep-Tiles:

http://illuminations.nctm.org/index_d.aspx?id=251

MathWorld:

<http://mathworld.wolfram.com>

MathWorld on Tessellations:

<http://mathworld.wolfram.com/Tessellation.html>

MathWorld on Regular Tessellations:

<http://mathworld.wolfram.com/RegularTessellation.html>

Ohio Resource Center:

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

Ohio Resource Center on covering the plane with Rep-Tiles:

http://www.ohiorc.org/ohiorc_resource_display/0,3820,1150,00.shtm

“Tiling the Chair”, more mathematical:

<http://math.wcupa.edu/~nitica/webchair/webchair.html>

Nice article on Nets:

<http://gwydir.demon.co.uk/jo/solid>

More on Nets:

<http://mathworld.wolfram.com/pdf/Icosahedron.pdf>

<http://mathworld.wolfram.com/pdf/Dodecahedron.pdf>

<http://mathworld.wolfram.com/pdf/TruncatedDodecahedron.pdf>

<http://mathworld.wolfram.com/pdf/Tetrahedron.pdf>

Math Forum:

Project on Rep-Tiles:

<http://mathforum.org/pom/project4.95.html>

Project on tessellations:

<http://mathforum.org/sum95/suzanne/whattess.html>

One person's page on tessellations:

<http://www.jimloy.com/geometry/tess.htm>

A page comparing regular and semi-regular tilings:

<http://www.counton.org/explorer/morphing/03regularandsemiregulartiling.shtml>

If you want to stretch your mind, tilings on surfaces other than the plane:

<http://www.ieeta.pt/~tos/animals.html>

Back to the plane, but still mind-stretching:

<http://www.uwgb.edu/dutchs/symmetry/archtil.htm>

Tilings in architectural and historic images:

<http://www.dartmouth.edu/~matc/math5.geometry/unit5/unit5.html>

Generalizations of tilings:

http://math.arizona.edu/~lega/195/Fall00/lectnotes/lect2_3/tilings.html

Notes from a college course, with interesting web links and more technical details:

http://www.humboldt.edu/~mef2/Courses/m103n2_1_05.html

A research paper, if you want to see what mathematicians write about things like this! (You will need Adobe's Acrobat Reader, go to

<http://www.adobe.com/products/acrobat/readstep2.html> for download.)
<http://www-mat.pfmb.uni-mb.si/personal/klavzar/preprints/tilings.pdf>