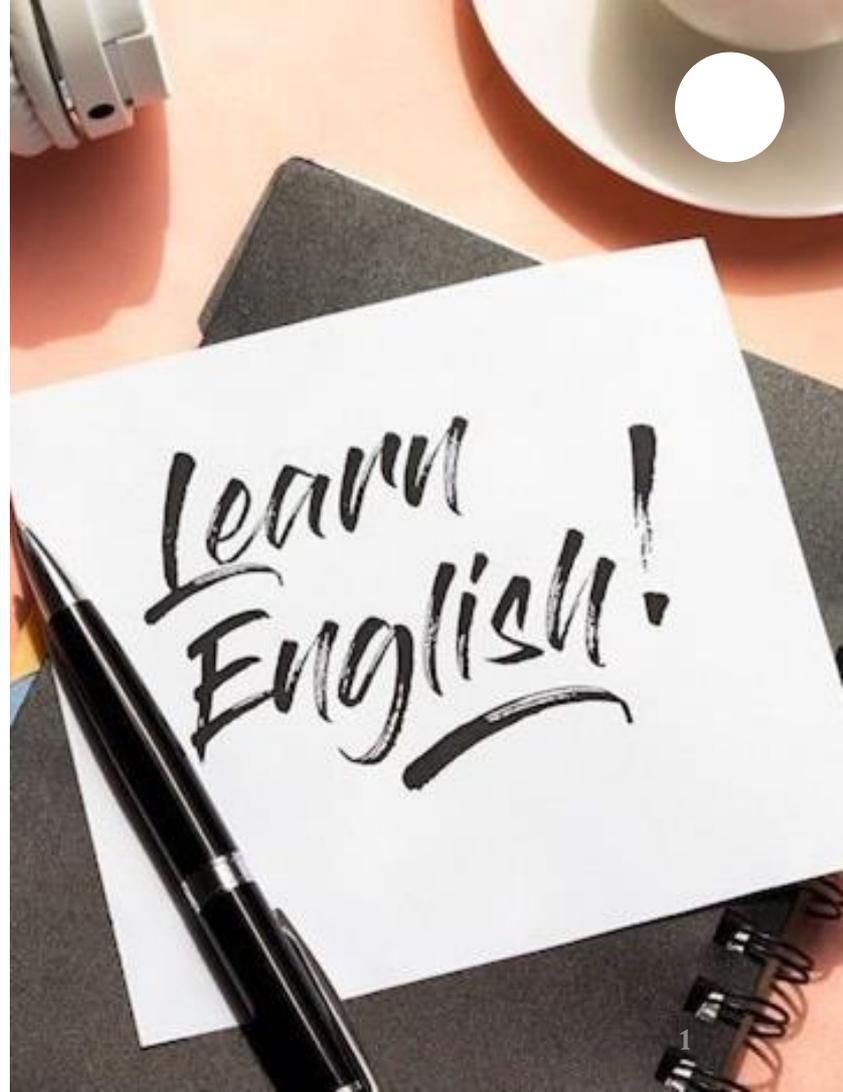


Course 3

# Vocabulary Related to Architecture Basics

Teacher : Dr. Khaoula Lakhdari



## COURSE OBJECTIVES

- Develop a comprehensive understanding of architectural terminology
- Build a shared architectural vocabulary to streamline discussions
- Learn to use precise architectural language to accurately convey ideas and concepts



# 1. Exploring Essential Architectural Vocabulary

## *Why Vocabulary Matters?*

Before we dive into specific terms, it's essential to understand why building a strong architectural vocabulary is crucial:

- 1. Precision:** Architecture demands precision. Using the correct terms ensures that your ideas are accurately conveyed. Whether you're discussing building materials, design elements, or construction techniques, precise language is key.
- 2. Professionalism:** Speaking the language of architecture enhances your professional image. It demonstrates your expertise and your ability to communicate effectively with colleagues and clients.
- 3. Collaboration:** In architectural projects, collaboration is often essential. Having a shared vocabulary streamlines communication among team members, reducing misunderstandings and errors.

## *a. Architectural Elements and Features:*

<b>Facade</b>	<b>Column</b>	<b>Portico</b>	<b>Dome</b>	<b>Vault</b>
<p>The exterior face or front of a building, often characterized by its design and materials.</p>	<p>A vertical structural element that supports the weight of a building and can be decorative.</p>	<p>A porch with a roof supported by columns, often at the entrance of a building.</p>	<p>A curved, spherical or semi-spherical roof or ceiling structure.</p>	<p>An arched form used to provide a ceiling or roof structure.</p>
				

## *a. Architectural Elements and Features:*

<b>Arch</b>	<b>Balustrade</b>	<b>Cornice</b>	<b>Lintel</b>	<b>Sill</b>
<p>A curved architectural element that spans an open space, providing support.</p>	<p>A railing supported by balusters, often used on balconies or staircases.</p>	<p>The decorative molding or projection that caps the top of a wall or building</p>	<p>A horizontal beam that spans an opening, typically over a door or window.</p>	<p>The horizontal base of a window or door frame.</p>
				

## 6. Architectural Materials and Construction

Concrete	Steel	Brick	Timber	Glass
<p>A versatile construction material made from cement, water, and aggregates</p>	<p>A strong and flexible metal often used in structural elements.</p>	<p>A rectangular block made from clay or concrete, used in masonry construction</p>	<p>Wood used in construction, including beams, joists, and framing.</p>	<p>Transparent material used in windows and facades.</p>
				

## 6. Architectural Materials and Construction

Foundation	Roofing	Masonry	Insulation	Curtain Wall
<p>The structural base of a building that supports its weight.</p>	<p>Materials and systems used to create the upper covering of a building.</p>	<p>Construction using bricks, stones, or concrete blocks.</p>	<p>Materials used to regulate temperature and energy efficiency in buildings.</p>	<p>A non-load-bearing exterior wall, often made of glass and metal.</p>
				

## *c. Architectural Styles and Movements*

<b>Classical Architecture</b>	<b>Gothic Architecture</b>	<b>Renaissance Architecture</b>	<b>Baroque Architecture</b>	<b>Modernist Architecture</b>
<p>A style based on the principles of ancient Greek and Roman architecture.</p>	<p>Characterized by pointed arches, ribbed vaults, and flying buttresses.</p>	<p>Inspired by classical Roman and Greek styles, featuring symmetry and proportion.</p>	<p>Known for its ornate and dramatic style, often with curved forms.</p>	<p>Emphasizes functionalism, minimalism, and simplicity.</p>
				

## *c. Architectural Styles and Movements*

### **Art Deco**

A style from the 1920s and 1930s characterized by geometric patterns and bold colors.



### **Bauhaus**

A design school that influenced modernist architecture with an emphasis on functionality.



### **Brutalism**

A style known for its use of raw concrete on design.



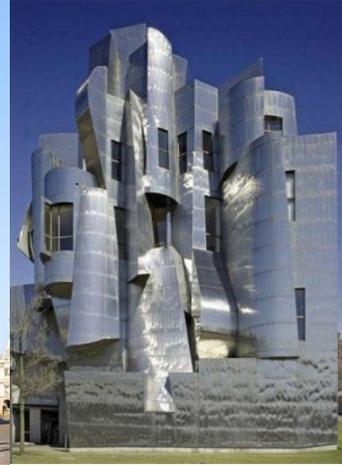
### **Postmodern Architecture**

A reaction to the strict modernist style, incorporating diverse elements.

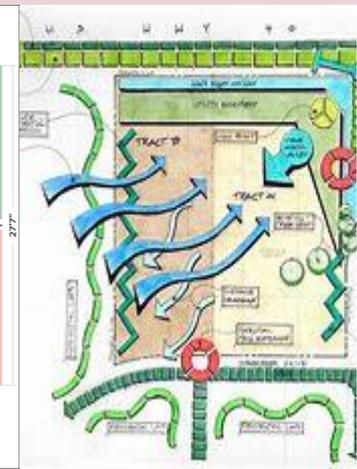
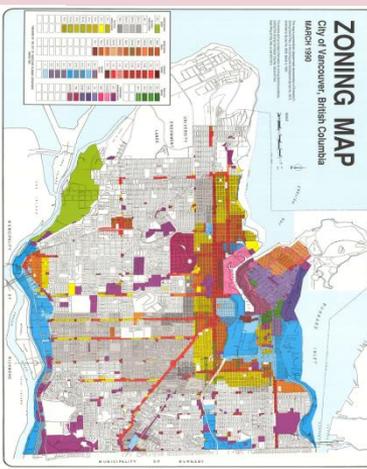


### **Deconstructivism**

A style that plays with fragmentation and distortion of architectural forms.



## d. Architectural Design and Planning

Plan	Scale	Floor Plan	Site Analysis	Zoning
<p>Make a design to be made or built</p>	<p>The ratio of the size of an object on paper to its actual size.</p>	<p>A scaled drawing of a building's layout, showing walls, rooms, and spaces.</p>	<p>The assessment of a location's physical and environmental characteristics.</p>	<p>Regulations that dictate land use and building codes in a specific area.</p>
				

# d. Architectural Design and Planning

## Schematic Design

The initial phase of design, where concepts and ideas are developed.

## Site Plan

A detailed drawing showing the layout of a building on its site.

## Urban Planning

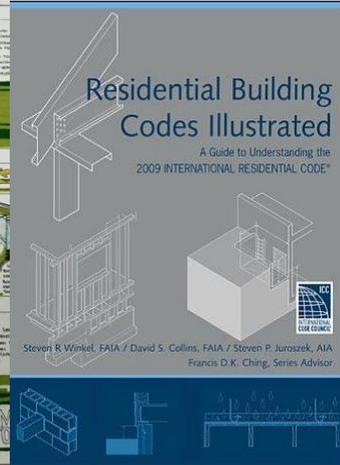
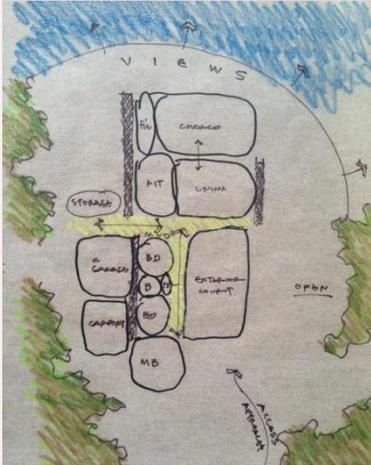
The design and organization of cities and urban areas.

## Conceptual Design

The early stage of design focused on the overall idea and vision.

## Building Codes

Regulations that ensure the safety and welfare of building occupants.



## e. Architectural Theory and Concepts

### Form Follows Function

A design principle emphasizing that the form of a building should be driven by its purpose.

### Golden Ratio

A mathematical proportion often used in architecture for aesthetic harmony.

### Symmetry

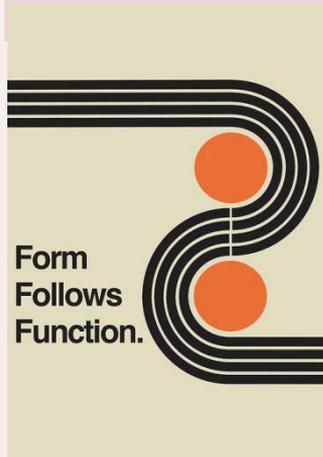
Balanced and harmonious arrangement of elements.

### Hierarchy of Spaces

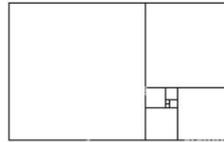
The organization of spaces in a building based on importance and use.

### Biophilic Design

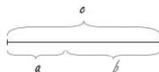
Incorporating natural elements into the built environment for well-being.



#### Golden ratio



1,6180339887...



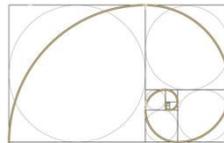
$$a : b = b : c$$

$$c : b = b : a$$

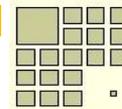
A B C

$$\frac{AB}{BC} = \frac{AC}{AB} = 1,6$$

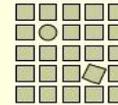
1, 1, 2, 3, 5, 8, 13,  
21, 34, 55, 89 ...



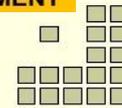
#### By SIZE



#### BY SHAPE



#### By PLACEMENT



## *e. Architectural Theory and Concepts*

<b>Modularity</b>	<b>Minimalism</b>	<b>Sustainability</b>	<b>Renewable Energy</b>	<b>Cultural Sensitivity</b>
Designing in standardized, repeatable units or modules.	A design philosophy focused on simplicity and the removal of excess.	Design and construction practices that minimize environmental impact.	Energy sources like solar panels and wind turbines used in sustainable architecture.	Design that respects and reflects the culture of the area or users.
				

## 2. Effective Ways to Improve Your Architecture Vocabulary

### **1. Keep a notebook at your desk or an app on your phone:**

Always note down the words you hear or you come across when you're reading that you're not sure you understand. This is the best way to make yourself aware of the things you need to improve. Use this notebook or app to discuss the words you come across with your mentor.

### **2. Read more**

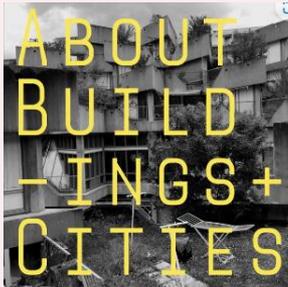
Reading will enrich your vocabulary. Studies show time and time again that people who read have a more extensive vocabulary than people who don't.

### 3. Listen to or watch more industry-specific podcasts or YouTube videos.

#### Podcasts:

Studies showed that person who listened to a podcast improved their scores on speaking tests more than those that didn't listen to a podcast. Here is a list of recommendations in architecture communication and authentic English conversations podcasts for advancing your English communication skills:

#### Architecture & Interior design Podcasts



#### **About Buildings + Cities**

A podcast about architecture, buildings and cities, from the distant past to the present day. Plus detours into technology, film, fiction, comics, drawings, and the dimly imagined future. With Luke Jones and George Gingell.

Transcript: Watch on YouTube

Accent: British

<https://aboutbuildingsandcities.org/>



#### **Another Architecture Podcast**

Another Architecture Podcast by George Bradley is a set of Interviews with the designers of inspiring homes from around the world. Transcript: no Accent: British English & Australian & US depending on the guests being interviewed.

<https://anotherarchitecturepodcast.com/>



### **Architect Sessions**

Architect Sessions, is a weekly podcast of really interesting casual discussion of the news and issues affecting the professions in charge of the built environment. The podcast does a great job of expanding perspectives on important news and topics.

Transcript: No but good show notes

Accent: US English

<https://architect.com/>



### **Archispeak**

Archispeak is a casual conversation about all things architecture between Evan Troxel based in California, USA and Cormac Phalen based in Maryland, USA. They talk about everything in the profession, both the good and the bad. They say "Think you already know what architecture is really about?" This podcast explores the question in depth.

Transcript: No

Accent: US English

<https://www.archispeakpodcast.com/>



### **The Business of Architecture**

The Business of Architecture UK is hosted by architect Rion Willard as he interviews successful UK-based architects and designers on the secrets for running a profitable and impactful architecture practice. Learn how to master the game of business from some of the world's leading architects and designers.

Transcript: No

Accent: British English

<https://www.businessofarchitecture.co.uk/>



### **Baam Podcast**

BAAM Podcast is hosted by Barry MacKenzie & Andy Macpherson. In each episode, Barry and Andy sit down to interview some of the best Architectural & Interior Photographers in the world! This is a really fun podcast to listen to because the hosts have a great sense of humour.

Transcript: No

Accent: US & British English as well as Australian & Canadian depending on the guests being interviewed.

<https://baam.simplecast.com/>



### **Face-to-Face by Dezeen**

Face-to-Face by Dezeen is hosted by founder and editor-in-chief Marcus Fairs who sits down with leading architects and designers to discuss their lives and careers.

Transcript: Watch on YouTube

Accent: US English

<https://www.dezeen.com/podcasts/>



### **EntreArchitect Podcast**

Architect Mark R. LePage explores the business of architecture, firm leadership and the everyday life of an architect. EntreArchitect Podcast features weekly interviews with inspiring, passionate people who share their knowledge and expertise... all to help you build a better business as a small firm entrepreneur architect.

Transcript: No

Accent: US English

<https://gablmmedia.com/show/entearchitect-podcast-with-mark-r-lepage/>



### **From the Margins**

From the Margins Podcast hosted by Mexican born German Pallares is a space for conversations on the built environment that puts the cultural production of historically marginalized and oppressed groups at the forefront of the discussion. A plethora of really interesting conversations about diversity.

Transcript: No

Accent: US/Mexican English

<https://anchor.fm/from-the-margins-arch>



### **Hearing Architecture**

Hearing Architecture is a podcast about architects in Australia, what they do and why it's important.

Transcript: No

Accent: Australian

<https://www.architecture.com.au/category/podcast/>



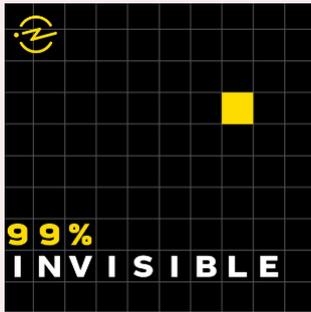
### **The Second Studio design Show**

Formerly named The Midnight Charette, this podcast is about design and the everyday topics important to architects. Hosted by architects David Lee and Marina Bourderonnet, it features interviews with several creative professionals as well as practical tips and advice. It's very honest and at times very funny. They cover topics such as reviews of projects, technologies, designs and movies; while others are helpful guides, interviews, or explorations of everyday life.

Transcript: Watch on YouTube

Accent: US English

<https://www.midnightcharette.com/>



### 99% Invisible

99% Invisible is about all the thought that goes into the things we don't think about — the unnoticed architecture and design that shape our world.

Transcript: Yes

Accent: US English

<https://99percentinvisible.org/about/the-show/>



### Practice Disrupted

On Practice Disrupted, Evelyn Lee, an architect, design strategist, and Senior Experience Designer at Slack, and architecture business strategy consultant, Je'Nen Chastain, set out to bring to light the future of the profession. They aim to help architects remain relevant and valuable in a changing world. They will explore how technology, cultural shifts, and emerging best practices are prompting firm owners to assess their business models and make adjustments in their studios.

Transcript: No

Accent: US English

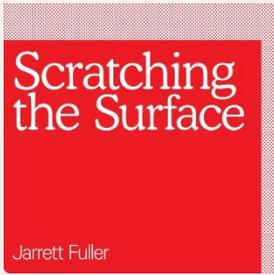
<https://practiceofarchitecture.com/podcast/>



### Scaffold

Scaffold by Matthew Blunderfield is well curated podcast of interviews with architects, artists and designers.

<https://player.fm/series/scaffold>



### **Scratching the Surface**

Scratching the Surface is an extremely well put together podcast about design, theory, and creative practice. It's hosted by Jarrett Fuller who does an excellent job of asking really good questions. Each episode features in-depth conversations with designers, architects, writers, academics, artists, and theorists about how design shapes culture. This one is a personal favourite of mine and I have reexamined my own practice a lot thanks to this Podcast.

Transcript: No but good show notes

Accent: US English

<https://scratchingthesurface.fm/index>



### **Spaces Podcast**

Environment, politics, culture, and economy... Outside forces are constantly reshaping our built environment. In turn, these spaces shape society. SPACES Podcast aims to elevate the appreciation for and understanding of how our spaces are evolving.

Transcript: No

Accent: US English

<https://gablmmedia.com/show/spaces-podcast/>



### **US Modernist Radio - Architecture You Love**

Another fun podcast with lots of discussion and laughs with fascinating people who own, create, love, and hate Modernist architecture, the most controversial houses and buildings in the world. I really enjoy listening to George Smart and Tom Guild discuss some of the most fascinating topics.

Transcript: Watch on YouTube

Accent: US English

[US Modernist Radio - Architecture You Love \(libsyn.com\)](https://libsyn.com)



### **Talking Architecture and Design**

Talking Architecture & Design is Australia's first B2B architecture podcast that regularly talks about a range of issues that affect Australia's architects, building designers and built environment professionals. Run by Australia's most popular architecture magazine, Architecture & Design, the Talking Architecture & Design podcast gives a regular bite-sized dose of what is important and sometimes what is just plain old interesting to anyone and everyone in the business of building design.

<http://podcast.architectureanddesign.com.au/>



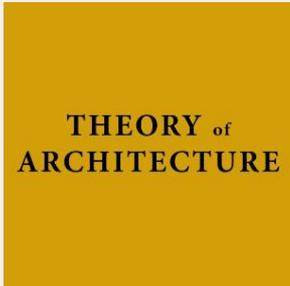
### **Talking Cities**

Talking Cities accesses the leaders creating, shaping and improving the cities we call home. Through candid conversation, find out what makes them tick, and how they are improving our economic, cultural and social epicenters.

Transcript: No

Accent: Australian

<https://aecom.com/podcasts/talking-cities-podcast/>



### **Theory of Architecture**

Theory of Architecture is a series of in-depth conversations with architects and academics about architecture and the theories and philosophies behind it.

Transcript: No

Accent: British English

<https://theoryofarchitecture.podbean.com/>

## Landscape architecture & Urban design Podcasts



### **Everything but the Building**

The host of this podcast Stacey Brochtrup hopes to educate listeners across all demographics on the diversity and value of the profession of Landscape Architecture. She conducts interviews with experts across the profession to explore the thought process behind local parks, and everything in between. This podcast discusses the people, places, and history behind the profession of Landscape Architecture.

Transcript: No

Accent: US English

<https://www.everythingbutthebuilding.com/>



### **Dig Beneath Design**

Another personal favourite of mine because it explores both design and communication in design. Saneaia Norton chats to top designers who talk openly about their best and worst experiences communicating their ideas. We explore how they present their ideas, how communication has influenced their projects and arrive at the moments that shaped their approach to communication. You'll learn about the communication mistakes even the most experienced designers make. Transcript: No

Accent: Australian English

<https://sndc.com.au/digbeneathdesign/>



### **The Green Urbanist Podcast**

Another personal favourite that I like to listen to on a Sunday afternoon just after it is released. This podcast is for you if you're an urbanist interested in fighting climate change. It's hosted by Ross O'Ceallaigh, who is a planner and urban designer based in London. This show explores how architects, planners, policy makers and designers can make cities more sustainable and healthy. Transcript: No

Accent: Irish /British English

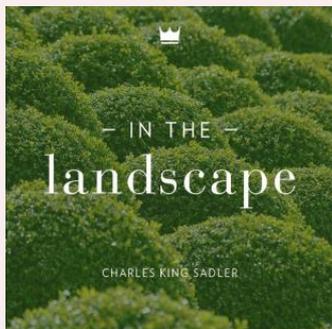
<https://www.stitcher.com/podcast/the-green-urbanist>



### **How to Build a Healthy City**

In this six-part series, Darren Dodd talks to Financial Times correspondents around the world - from Singapore to Copenhagen - about initiatives designed to make cities healthier and more pleasant places to live.

<https://www.ft.com/healthy-city>



### **In the Landscape**

Kate & Charles Sadler share Landscape Design & Care tips. If you're a big fan of learning more about planting styles, maintenance and practical vocabulary as a landscape architect then you can't miss this one.

<https://kinggardeninc.com/in-the-landscape>



### **The Landscape Architecture Podcast**

Michael Toderan's podcast is an insightful window into the diversity of landscape architecture practice and thoughts around the profession. The mission of the podcast is to record and share the stories, intentions, and impacts of emerging and established landscape architects.

Transcript: No

Accent: US English

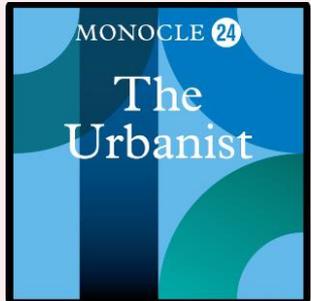
<https://www.larchitect.org/episodes/>



### **Register - Architecture & Landscape**

The hosts are interested in what it takes to make thoughtful work in architecture today. In this podcast they speak with practitioners, planners, developers and others who visit our school about their motivations and design methodologies.

<https://kingstonarchitecture.london/tag/podcast/>



### **Monocle 24: The Urbanist**

This podcast is Monocle's guide to making better cities, be it new technology, state-of-the-art subways or compact apartments. This is a very well curated and well loved podcast by many in the built environment professions.

<https://monocle.com/radio/shows/the-urbanist/>

## Communication & English learning Podcasts



### **Think Big - English for Architects**

This is the podcast for you if you want to improve your listening comprehension and listen to Tara discuss relevant topics in architecture, landscape architecture, design and language learning

Transcript: Yes

Accent: Australian English and other accents from various guests

<http://www.archienglish.com/podcast>



### **Stand Out get Noticed**

In this podcast all about communication Christina Canters tackles topics such as: Public speaking, mindset, social skills, overcoming fear, workplace communication, relationships and leadership. All of these topics apply to both English speakers and Non native English speakers.

<https://thecmethod.com/podcast/>



### **Think Fast Talk Smart**

This is the podcast for you if you want to know answers to the big questions such as: How do I communicate clearly when put on the spot? How can I easily convey complex information? How to master inpromptu conversation? How can non-native speakers speak up with confidence?

Transcript: Yes

Accent: US English

<https://www.gsb.stanford.edu/insights/think-fast-talk-smart-podcast>



### **6 Minute English**

This Podcast by BBC radio is a short 6 minute podcast if you want to learn some expressions in context. It is a long running podcast made for Intermediate learners of English with topical discussions and new vocabulary, brought to you by BBC Learning English.

Transcript: Yes

Accent: British English

<https://www.bbc.co.uk/learningenglish/features/6-minute-english>

## YouTube Channels :



Grand Designs



Archimarathon



30X40 Design Workshop



WIA - What is architecture?



Design It Green



National Association of Landscape Professionals



The B1M- Learn more about construction techniques



One Minute Architecture



NEVER TOO SMALL



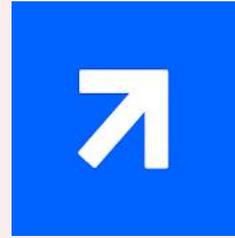
Kirsten Dirksen



Fourth Wall



Show It Better



Upstairs

#### **4. Practice talking about a design or presenting your ideas to someone**

Get the person listening to you to take note of the vocabulary you might be missing or could upgrade.

#### **5. Find construction terms on Designing Buildings Wiki**

Designing Buildings Wiki is a library with over 10,000 articles about the planning, design, construction and operation of built assets.

The library contains carefully curated articles that are structured and linked together to create a continuously growing, resource. You will find over 20,000 different construction terms and industry acronyms, as well as hundreds and thousands of internal links, to help you get to the knowledge you need as quickly as possible.

## *Practice Exercise*

Read articles, listen to podcasts or watch videos you're interested in watching,  
Take note of unfamiliar words you encounter or hear, and incorporate them into your daily vocabulary.

*See you in the next lesson!*

