ARECIPE FOR RESILIENCE.

PART TWO: DRUGS - STILL NOT PART OF A SUCCESSFUL RECIPE!







TO START WITH -QUICK RECAP

BASIC
SOCIALIZATION
& LEARNING
STAGES

ALL OF US START LIFE AS A 'WHEELBARROW' WE HUMANS, ARE NOT JUST A 'LUMP OF CLAY' OR JUST A 'BLUEPRINT' WE ARE A R.E.C.I.P.E.

WHAT IS A WHEELBARROW, AGAIN?

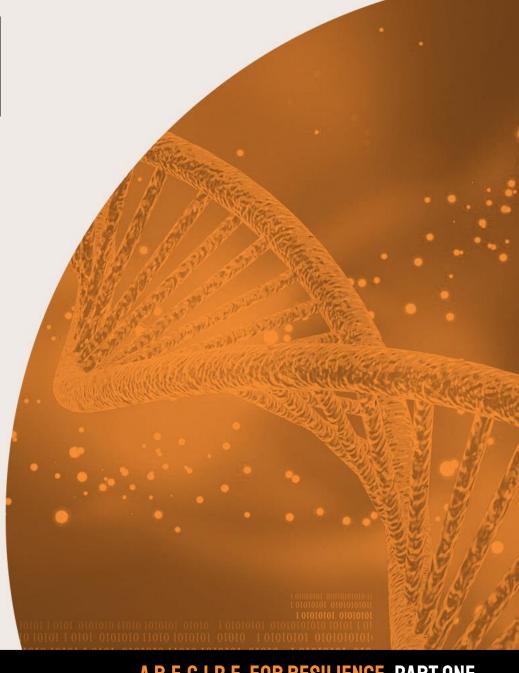
It is an empty powerless vessel, that is filled by something or someone else and pushed by something and someone else.



EPIGENETIC REFRESHER

Remember your DNA doesn't change, but many factors influence the way the genetic information plays out.

Even 'encode' over time. It can be slow and subtle, but that's how much influence all the **RECIPE** factors can have on outcomes – we have some influence over changing them.



ALL YOUNG CANNABIS USERS FACE PSYCHOSIS RISK

"This finding means that all young cannabis users face psychosis risk, not just those with a family history of schizophrenia or a biological factor that increases their susceptibility to the effects of cannabis – The whole population is prone to have this risk..

Patricia J. Conrod, PhD, professor of psychiatry, University of Montreal, Canada, https://www.dalgarnoinstitute.org.au/images/resources/pdf/cannabis-conundrum/All Young Cannabis Users Face Psychosis RiskMedscape2018.pdf

CANNABIS EXPOSURE DURING CRITICAL WINDOWS OF DEVELOPMENT: EPIGENETIC AND MOLECULAR PATHWAYS IMPLICATED IN NEUROPSYCHIATRIC DISEASE

Developmental cannabis exposure alters epigenetic processes with functional gene consequences. These include potentially heritable alterations in genes and molecular pathways critical for brain development and associated with

- autism spectrum disorder (ASD),
- attention deficit hyperactivity disorder (ADHD),
- schizophrenia,
- addiction,
- and other psychiatric diseases.

Springer Academic https://link.springer.com/content/pdf/10.1007/s40572-020-00275-4.pdf

However, that debate has been done and dusted. It is a remarkable combination of both. One of the better ways to look at how we are developed is by using the idea of a R.E.C.I.P.E. (We use the following acrostic)

- RELATIONSHIPS
- ENVIRONMENT
- CONDUCT (how you behave and why)
- Information
- Paradigm and Practice (your worldview and how you live it out)
- **E**PIGENETICS







"It is now clear that experience, be it

- environmental toxins,
- maternal behavior,
- psychological or physical stress,
- learning,
- drug exposure, or
- psycho-trauma,

leads to active regulation of the chemical and three-dimensional structure of DNA in the nervous system...These epigenomic changes lead to alterations in gene readout (and who knows what else?) in cells in the nervous system that trigger lasting, and in some cases perpetual, changes in neural function."

(The Emerging Field of Neuroepigenetics J. David Sweatt, Department of Neurobiology and Evelyn F. McKnight Brain Institute, University of Alabama at Birmingham, Birmingham, AL 35294, USA http://dx.doi.org/10.1016/j.neuron.2013.10.023

In this session we are going to start you looking at the other 5 'ingredients' in the R.E.C.I.P.E. that is YOU!

- RELATIONSHIPS
- ENVIRONMENT
- CONDUCT (how you behave and why)
- Information
- Paradigm and Practice (your worldview and how you live it out)



There are many learning and socializing models, but our journey we are going to start you investigating the following model:

- AFFECTIVE LEARNING
- OPERANT LEARNING
- OBSERVATIONAL LEARNING
- COGNITIVE LEARNING
- CULTURAL LEARNING





In the early stages of this socialisation/learning process, how the infant feels has profound consequences. (These also matter later stages of life too)

Safety - Security - Tenderness - Care - Affection



In the early stages of this socialisation/learning process, the child is 'trying things out' – What the care giver does in this early stage will determine was behaviours/activities are extinct or developed. This is done by what is allowed or not allowed by the care giver. Boundary Setting, structure and discipline is vital at early stage and continues through later developmental stages too

Attempting – Inquisitive – Trial & Error – Boundaries



In the early stages of this socialisation/learning process, the child is watching and listening to not only the care giver, but also the environment they are in. – the actions, behaviours, words, tone, and the activities in the environment make a strong impression on the infant (and in future stages of development too) More is 'caught than taught' in this space

Modelling - Demonstration - Mimicking - Correction



In the early stages of this socialisation/learning process, the child is developing their own interpretations of their environment and beginning to investigate, question and evaluate, separately, but not independent of the relational care giver environment. Learning how to think critically, logically rationally is geared not only to information, but also values and belief systems. Also that this process oversees feelings, is not driven by them

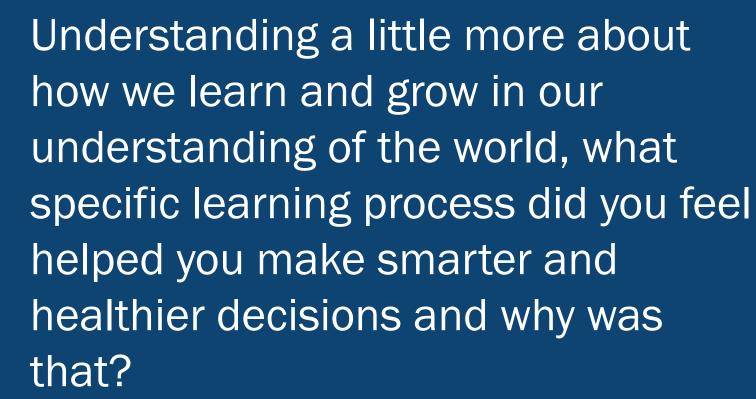
Wisdom - Logic - Evaluation - Analysis - Values - World View



This socialisation/learning stage really begins once the child commences relationship with peers, but more so in the non-supervised independent peer interaction environment. The influence – positive or negative – of the 'cultural/peer' environment is impacted by teens priorities, sense of self, strength of values and family environment and how secure that makes them feel. If you, as a teen, have no filters, no resiliency, then the likelihood that 'whatever my peers do is okay by me', will be the narrative. What is needed

Clear Vision/Direction - Values - Security - Trusted Wiser Mentors





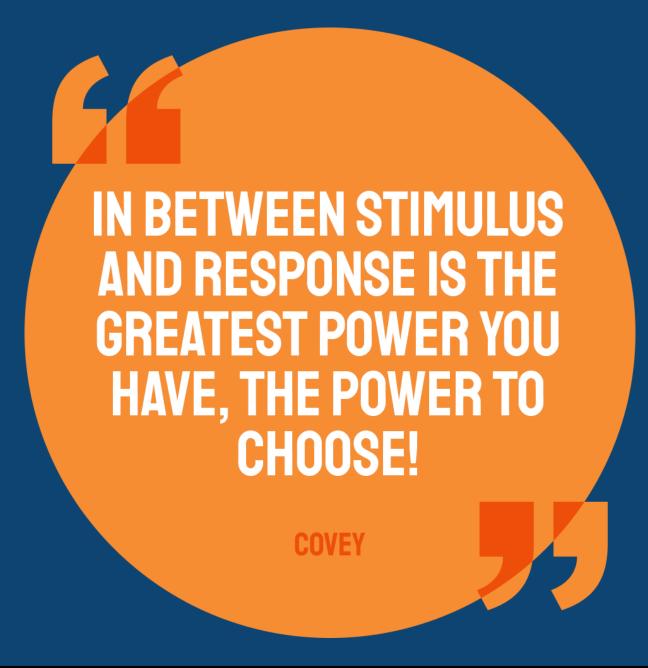
And what process was unhelpful and why?



Discuss

MOMENT





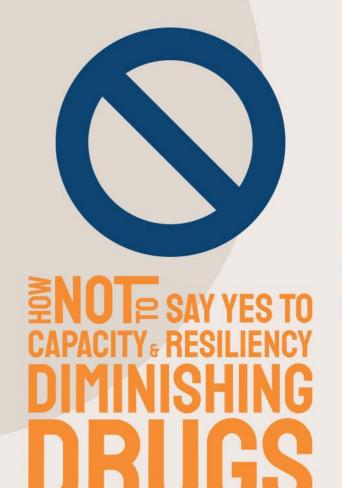


TAKE-A-WAYS: SCRIPT BUILDER POINTS



Strengthening my BUNGEE Rope, by adding to Scripting Tool-kit

- 1) Evidence now proves, *all young cannabis* users face psychosis risk.
- 2) Who and How we are is made up of a lot of factors, including our environments, decisions, values and behaviours.
- 3) Drug use messes with your genes. Your choices really matter, particularly around substance use as it will not only impact brain development but can also influence genetic expression for the worse.
- 4) Environments matter Not just where, but who with and the activities and practices you're part of. (some you have no control over, but others you do)
 - Exercise your power to choose well!





WHAT YOU HAVEN'T HEARD

about the push to legalize marijuana



MORE RESOURCES FOR BUILDING RESILIENCY WITHOUT DRUG USE



Strengthening my BUNGEE Rope — Filling Your Wheelbarrow with good stuff!

CLICK ON LINKS BELOW

PATHWAYS FROM EPIGENOMICS

DRUG POLICY BUILDING OR DEMOLISHING COMMUNITY RESILIENCY

SOCIAL DETERMINEANTS & SUBSTANCE USE

CANNABIS CONUNDRUM INFORMATION SHEET

VAPING CRISIS INFORMATION SHEET