

Learning and development through woodwork

Taking risks
Resilience
Learning from mistakes
Trying new experiences
Venture beyond comfort zone
Making judgements

Physical development
Hand-eye coordination
Fine and gross motor skills
Agility and dexterity
Precision and accuracy
Range of movement/ increasing control
Spatial awareness

Understanding the world
Scientific thinking
Technological understanding
STE(A)M
Wood as material
Deconstruction

New experiences
New tools
Exploring wood
New techniques
New creations/ solutions

Skills for life
Around the home DIY
Hobbies and crafts
Use of other implements
Skills for the workplace

Persistence
Perseverance
Determination to keep going
Obstacles and challenges become an attraction
Resourcefulness
Doing things with care - Quality

Concentration and focus
Concentration on safe tool use
Concentration of finding solutions and resolving work
Sustained for extended periods

Language
Active listening
Communication
Sustained shared thinking
Mark-making - design
Literacy with related books expanding vocabulary
Non-verbal communication

Mathematical thinking
Numeracy, shape, space, measure and problem solving.
Developing mathematical vocabulary and knowledge

Mastering new skills and techniques
Multiple tools to master
Different ways of working
Learning by trial and error

Problem-solving
Multiple opportunities

Active learning
Engagement
Multiple layers of learning
Increasing proximal development
Promoting growth mind-set
Learning through observation

Play and Exploration
Experimentation
Tinkering
Being willing to have a go
Playing with possibilities
Learning by doing

Encouraging Curiosity
Catalyst for engagement
Drives motivation
Noticing and wondering
The spirit of enquiry

Intrinsic motivation
Children empowered to follow their interests and curiosity
Focus on process
Interaction rather than praise

Creative thinking
Generating multiple options
Possibility thinking
Predicting
Visualising

Imagination
Ideation
Creative expression
Support critical thinking

Self-care
and protection of others
Learning to risk assess
Learning how to keep safe
Importance of personal protection
Responsibility
Understand need for boundaries

Self-regulation
Control behaviour
Monitor emotion
Regain focus
Managing frustration

Critical thinking
Reasoning, making decisions
Making connections
Analysing, synthesising
Reflecting, evaluating

Executive functioning
Inhibition control
Emotional control
Working memory
Planning/ organisation
Self-monitoring
Cognitive flexibility

Meta-cognition
Awareness of process
Reflective learning
Evaluation

Collaboration
Social skills
Cooperation
Shared problem solving
Physical support
Culture of generosity

Independence
Autonomous work with tools
Children's Voice
Own ideas
Own solutions
Self-manage

Building self-esteem
Promoting well-being
Sense of responsibility
Feeling valued and trusted

Creative expression
Imagination
Endless possibilities

Sense of aesthetics
Wood as material
Rich sensibility
Transformational
Beauty elevates the soul

Empathy
See from other's perspective
Negotiation
See other viewpoints

Risk
Learning to manage risk
Making judgements
Learn from challenges
Respect for hazards

Building confidence
as master skills
as master techniques
Decision makers as solve problems
Sharing knowledge

Open ended exploration
Following own interests
Refine / develop own ideas

Craft sense
Developing understanding of process
Envisioning
Reflecting
Transfer

Pride in achievements
in mastery of tools
in skills and techniques
in resolving work
in resulting product

Sense of Agency
'Can do' spirit
They can shape the world
Proactive disposition
Identity as a maker

Therapeutic activity
Contentment
Absorbed
Extended involvement

Sustainability
Make and repair as opposed to consume and dispose
Context of wood - Connect with natural world
Value and cherish environment

