

Cribbage

Skills & Standards Alignment Guide

SKILLS DEVELOPED THROUGH CRIBBAGE

Grades 3–5

- Mental addition using multiple numbers
- Recognizing combinations that equal 15
- Strategic card selection
- Turn-taking and rule-following
- Early probability awareness

Grades 6–8

- Mental arithmetic fluency
- Pattern recognition in number combinations
- Probability intuition
- Strategic planning under constraints
- Decision-making based on incomplete information

Grades 9–12

- Combinatorics and probability reasoning
- Expected value thinking
- Strategic optimization
- Analytical decision-making
- Game theory concepts

CRIBBAGE STANDARDS ALIGNMENT

Cribbage reinforces mental math, probability reasoning, combinatorics, and strategic decision-making. The scoring system naturally supports mathematical reasoning across multiple grade levels.

INDIANA ACADEMIC STANDARDS (2020) – Mathematics

- **Grade 3 – 3.NS.3** – Fluently add and subtract within 1,000.
- **Grade 5 – 5.NS.3** – Use mental math and estimation to solve problems.
- **Grade 6 – 6.NS.3** – Fluently add, subtract, multiply, and divide multi-digit numbers.
- **Grade 7 – 7.DSP.4** – Develop probability models and determine probabilities of events.
- **High School – PS.P.1** – Understand and calculate probabilities for events.

COMMON CORE STATE STANDARDS (CCSS) – Mathematics

- **Kindergarten – CCSS.MATH.CONTENT.K.CC.A.4**: Understand the relationship between numbers and quantities.
- **Grade 3 – CCSS.MATH.CONTENT.3.OA.D.8**: Solve multi-step problems using the four operations.
- **Grade 5 – CCSS.MATH.CONTENT.5.NBT.B.5**: Fluently multiply multi-digit numbers.
- **Grade 7 – CCSS.MATH.CONTENT.7.SP.C.7**: Develop and use probability models.
- **High School – CCSS.MATH.CONTENT.HSS.MD.B.5**: Use probability to evaluate outcomes.
- **All Grades – CCSS.MATH.PRACTICE.MP1**: Make sense of problems and persevere in solving them.