The Right Way: Five Hypotheses
The Inner Language Hypothesis

We are different because we have a symbolic inner language
The Strong Story Hypothesis

The mechanisms that enable us humans to tell, understand, and recombine stories separate our intelligence from that of other primates.
<table>
<thead>
<tr>
<th>Fairy and folk tales</th>
<th>Law</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religious parables</td>
<td>Business</td>
</tr>
<tr>
<td>Ethnic narratives</td>
<td>Medicine</td>
</tr>
<tr>
<td>History</td>
<td>Defense</td>
</tr>
<tr>
<td>Literature</td>
<td>Diplomacy</td>
</tr>
<tr>
<td>Experience</td>
<td>Engineering</td>
</tr>
<tr>
<td>News</td>
<td>Science</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>
The mechanisms that enable us humans to tell, understand, and recombine stories separate our intelligence from that of other primates.
A thane is a kind of noble. Macbeth and Macduff are thanes. Lady Macbeth is Macbeth's wife and Lady Macbeth is greedy. Duncan, who is Macduff's friend, is the king, and Macbeth is Duncan's successor. Macbeth defeated a rebel. Macbeth's success made Duncan become happy. Witches had visions and talked with Macbeth. Duncan rewarded Macbeth because Duncan became happy. Lady Macbeth is greedy. Lady Macbeth is Macbeth's wife. Macbeth wants to become king because Lady Macbeth persuaded Macbeth to want to become the king. Macbeth murders Duncan. Then, Lady Macbeth becomes crazy. Lady Macbeth kills herself. Dunsinane is a castle and Burnham Wood is a forest. Burnham Wood goes to Dunsinane. Then, Macduff fights with Macbeth. Then, Macduff kills Macbeth. Macduff had unusual birth. The witches's predictions came true.
• Commonsense level:
  
  If someone kills you, then you become dead.

• Reflective level:

  Description of “revenge”:
  xx's harming yy leads to yy's harming xx.
A thane is a kind of noble. Macbeth and Macduff are thanes. Lady Macbeth is Macbeth's wife and Lady Macbeth is greedy. Duncan, who is Macduff's friend, is the king, and Macbeth is Duncan's successor. Macbeth defeated a rebel. Macbeth's success made Duncan become happy. Witches had visions and talked with Macbeth. Duncan rewarded Macbeth because Duncan became happy. Lady Macbeth is greedy. Lady Macbeth is Macbeth's wife. Macbeth wants to become king because Lady Macbeth persuaded Macbeth to want to become the king. Macbeth murders Duncan. Then, Lady Macbeth becomes crazy. Lady Macbeth kills herself. Dunsinane is a castle and Burnham Wood is a forest. Burnham Wood goes to Dunsinane. Then, Macduff fights with Macbeth. Then, Macduff kills Macbeth. Macduff had unusual birth. The witches's predictions came true.
What’s New

✓ Story alignment and analogy
<table>
<thead>
<tr>
<th>The Israelis know the Egyptians prepare to attack them.</th>
<th>The Israelis know to defeat the Egyptians.</th>
<th>The Israelis know that the Egyptians know they defeat the Egyptians.</th>
<th>The Israelis believe the Egyptians not to attack them.</th>
<th>---</th>
</tr>
</thead>
<tbody>
<tr>
<td>The USA knows that the Viet Cong prepares to attack it.</td>
<td>The USA knows to defeat the Viet Cong.</td>
<td>---</td>
<td>The USA believes the Viet Cong not to attack it.</td>
<td>The Viet Cong attacks the USA.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>The Israelis know that the Egyptians prepare to attack them.</td>
<td>The Israelis know to defeat the Egyptians.</td>
<td>The Israelis know that the Egyptians know they defeat the Egyptians.</td>
<td>The Israelis believe the Egyptians not to attack them.</td>
<td>The Egyptians attack the Israelis.</td>
</tr>
<tr>
<td>The USA knows that the Viet Cong prepares to attack it.</td>
<td>The USA knows to defeat the Viet Cong.</td>
<td>The USA knows that the Viet Cong knows it defeats the Viet Cong.</td>
<td>The USA believes that the Viet Cong doesn't attack it.</td>
<td>The Viet Cong attacks the USA.</td>
</tr>
<tr>
<td>The Israelis know the Egyptians prepare to attack them.</td>
<td>The Israelis know to defeat the Egyptians.</td>
<td>The Israelis know that the Egyptians know they defeat the Egyptians.</td>
<td>The Israelis believe the Egyptians not to attack them.</td>
<td>---</td>
</tr>
<tr>
<td>The USA knows that the viet cong prepares to attack it.</td>
<td>The USA knows to defeat the viet cong.</td>
<td>The USA knows that the viet cong knows it defeats the viet cong.</td>
<td>The USA believes the viet cong not to attack it.</td>
<td>The viet cong attacks the USA.</td>
</tr>
</tbody>
</table>

The USA knows that the viet cong knows it defeats the viet cong.  
The Egyptians attack the Israelis.
What’s New

- Story alignment and analogy
- Story telling story
Duncan is a person. Lady Macbeth is a person. Macduff is a person. Macbeth is a person. A thane is a noble. Macbeth is a thane. Macduff is a thane. Lady Macbeth is Macbeth's wife. Lady Macbeth is greedy. Duncan is the king. Macbeth is Duncan's successor. Duncan is Macduff's friend. Macbeth defeats a rebel. Appear is a success. Macbeth has a success. Witches talk with Macbeth. Witches have visions. Duncan rewards Macbeth because Duncan becomes happy. Macbeth wants to become king because Lady Macbeth persuades Macbeth to want to become king. Macbeth murders Duncan.

Duncan becomes dead. Macbeth becomes king.
Duncan is a person. Lady Macbeth is a person. Macduff is a person. Macbeth is a person. A thane is a noble. Macbeth is a thane. Macduff is a thane. Lady Macbeth is greedy. Macbeth defeats a rebel. Appear is a success. Macbeth has a success. Witches talk with Macbeth. Witches have visions. Duncan rewards Macbeth because Duncan becomes happy. Macbeth wants to become king because Lady Macbeth persuades Macbeth to want to become king.

**Duncan becomes dead because Macbeth murders Duncan.** Macbeth becomes king because Duncan becomes dead, Duncan is king, and Macbeth is Duncan's successor.
Duncan is a person. Lady Macbeth is a person. Macduff is a person. Macbeth is a person. A thane is a noble. Macbeth is a thane. Macduff is a thane. Lady Macbeth is greedy. Macbeth defeats a rebel. Appear is a success. Macbeth has a success. Witches talk with Macbeth. Witches have visions. Duncan rewards Macbeth because Duncan becomes happy. Macbeth wants to become king because Lady Macbeth persuades Macbeth to want to become king. Macbeth murders Duncan.

Duncan becomes dead because if a person murders another person, the other person becomes dead.
• Spoon feeding
• Explanation
• Explanation with intervention
• X intervenes to prevent Y from acting
• X understands Y’s point of view
• X negotiates with Y
• X explains situation to Y in Y’s terms
• X teaches Y how to interpret situation
• X shapes Y’s reaction
What’s New

• Story alignment and analogy
• Story telling story
✓ Concept discovery
In 1998, Afghan terrorists bombed the U.S.'s embassy in Cairo, killing over 200 people and 12 Americans. Two weeks later, The U.S. retaliated for the bombing with cruise missile attacks on the terrorist's camps in Afghanistan, which were largely unsuccessful. The terrorists claimed that the bombing was a response to America torturing Egyptian terrorists several months earlier.

In early 2010, Google's servers were attacked by Chinese hackers. As such, Google decided to withdraw from China, removing its censored search site and publically criticizing the Chinese policy of censorship. In response, a week later China banned all of Google's search sites.
The Social Animal Hypothesis

We developed an outer language because we are social animals.
The Directed Perception Hypothesis

The mechanisms that enable us humans to direct and hallucinate with our perceptual faculties separate our intelligence from that of other primates.
Thinking about the Equator
The perceptual level

noevent approach bounce carry catch collide drop fly_over follow give hit jump pick_up push put_down take throw