

The logo for Actua, featuring the word 'actüa' in a stylized font. The 'a' is green, 'c' is green, 't' is green, 'ü' is pink, and 'a' is green. A small 'TM' trademark symbol is to the right.

# STEM & Digital Literacy: A Strategy for Building Foundational Competencies for a Skilled Northern Workforce

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ACTUA  
IS CANADA'S LEADING  
**STEM**  
OUTREACH  
ORGANIZATION



actüa™

500 COMMUNITIES  
225,000 YOUTH  
1,000,000  
FACE-TO-FACE-HOURS



actüa™



**POST-SECONDARY  
INSTITUTIONS**



**COMMUNITIES  
AND YOUTH**

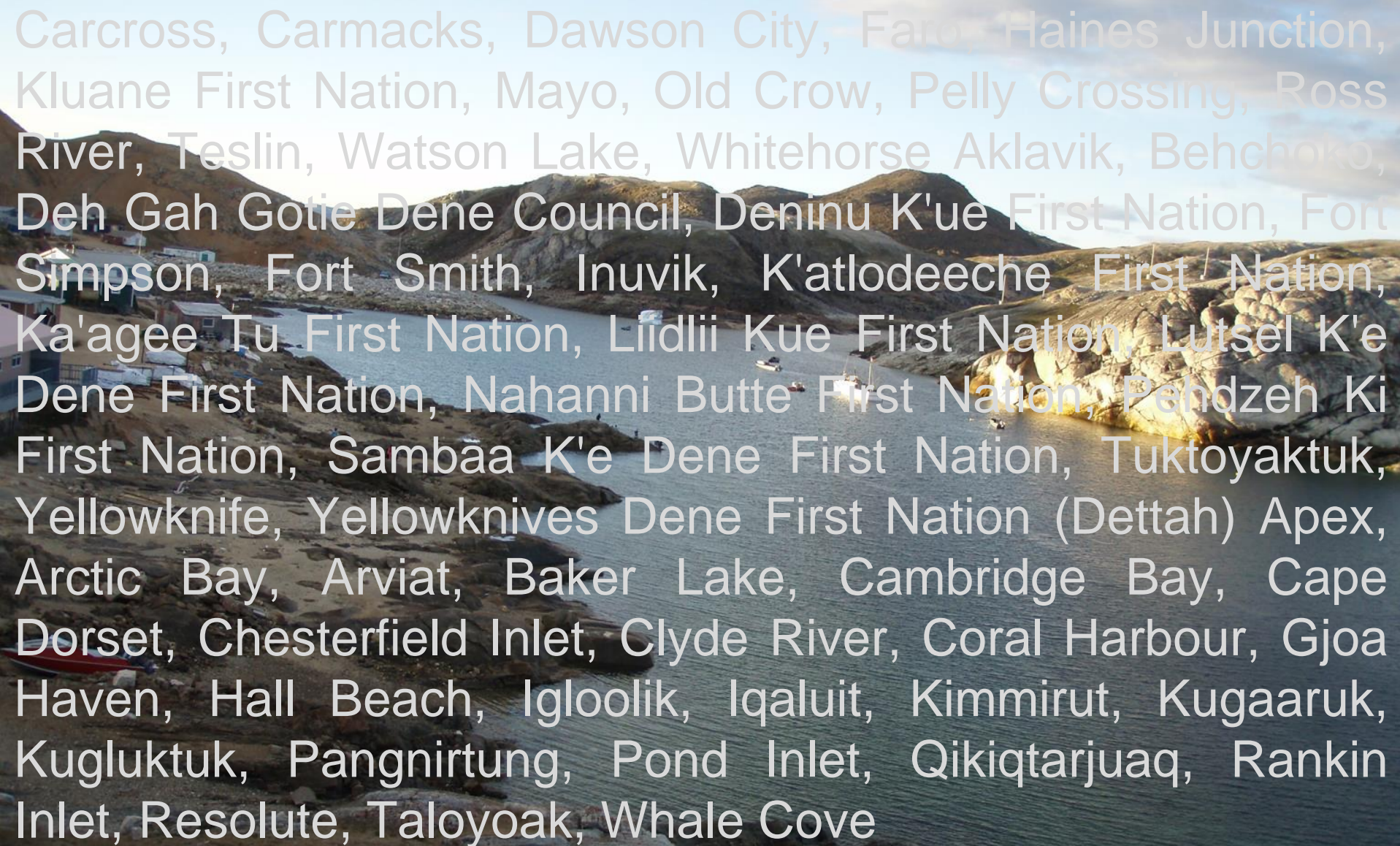


**INDUSTRY**

actüa™



**ACTUA  
IN THE  
NORTH**



Carcross, Carmacks, Dawson City, Faro, Haines Junction, Kluane First Nation, Mayo, Old Crow, Pelly Crossing, Ross River, Teslin, Watson Lake, Whitehorse Aklavik, Behchoko, Deh Gah Gotie Dene Council, Deninu K'ue First Nation, Fort Simpson, Fort Smith, Inuvik, K'atloodeeche First Nation, Ka'agee Tu First Nation, Liidlii Kue First Nation, Lutsel K'e Dene First Nation, Nahanni Butte First Nation, Pehdzeh Ki First Nation, Sambāa K'e Dene First Nation, Tuktoyaktuk, Yellowknife, Yellowknives Dene First Nation (Dettah) Apex, Arctic Bay, Arviat, Baker Lake, Cambridge Bay, Cape Dorset, Chesterfield Inlet, Clyde River, Coral Harbour, Gjoa Haven, Hall Beach, Igloolik, Iqaluit, Kimmirut, Kugaaruk, Kugluktuk, Pangnirtung, Pond Inlet, Qikiqtarjuaq, Rankin Inlet, Resolute, Taloyoak, Whale Cove

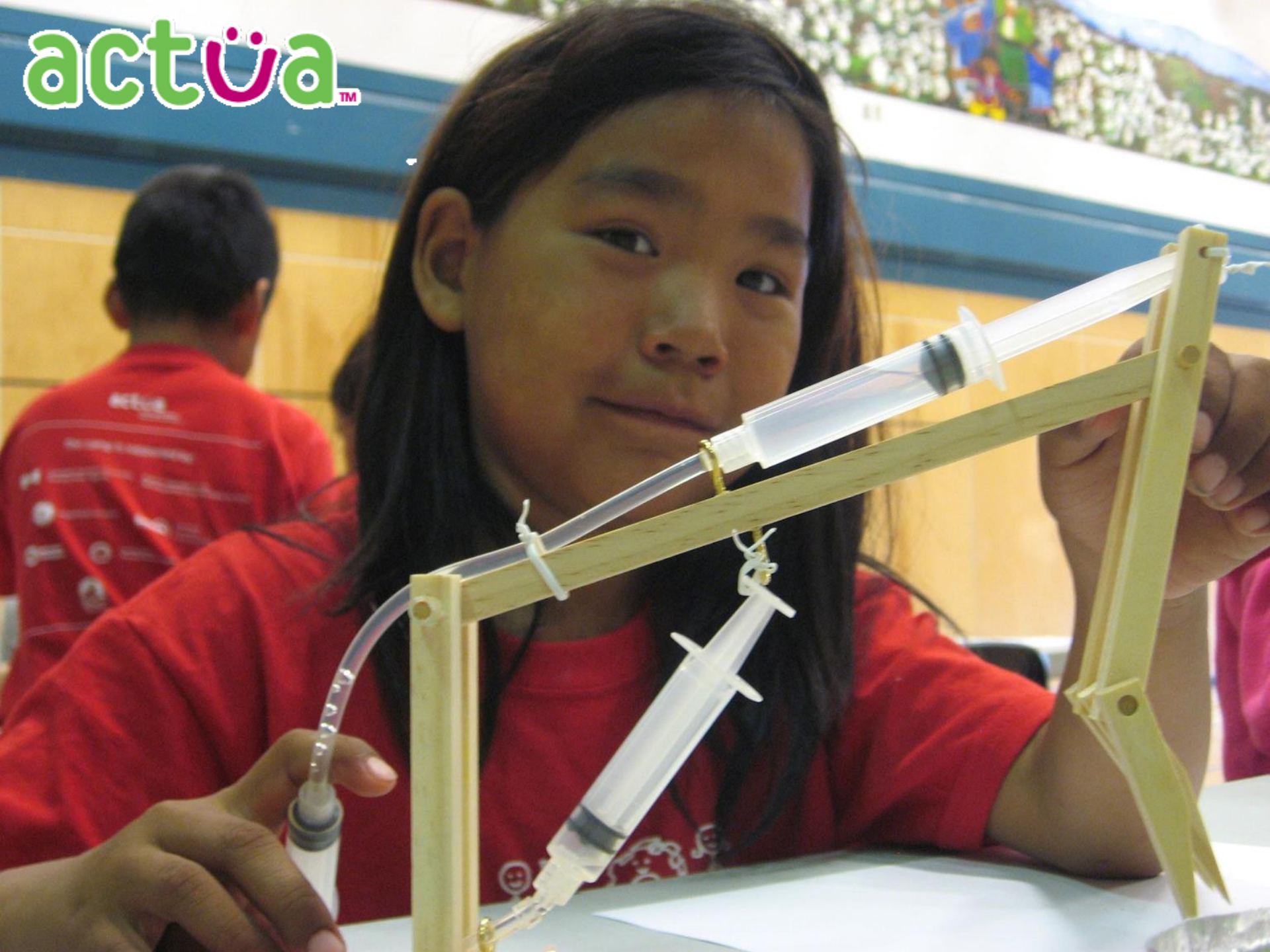
**8,000 Youth 35-40 Northern Communities**

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SKILLS IN  
STEM &  
TRADES

actüa™







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**ENGINEERING  
& APPLIED  
SCIENCE**

# ENVIRONMENTAL SCIENCE

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PROGRAM CONTENT  
**TK/STEM  
MAPPING**

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A close-up photograph of two children, a girl on the left and a boy on the right, focused on a project. They are working with a Raspberry Pi board on a wooden table. The boy is holding a red wire, and the girl is pointing at the board. The Raspberry Pi board has a white USB cable plugged into its port, and a small red LED light is glowing. The background is slightly blurred, showing a yellow wall.

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**IMPACT  
AWARENESS  
INTEREST  
INTENTIONS**



**PROBLEM SOLVING  
CRITICAL THINKING  
COLLABORATION  
LEADERSHIP**

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Before

After

**CONFIDENCE**

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**DIGITAL  
LITERACY**



actüa™

**CODEMAKERS  
DIGITAL LITERACY  
COMPUTER SCIENCE  
100,000 YOUTH**



/code:makers



**MOVING FROM  
CONSUMERS TO  
PRODUCERS OF  
TECHNOLOGY**

**actüa™**

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COMPUTER  
SCIENCE  
UNPLUGGED



**COMPUTER  
SCIENCE  
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# INTEGRATING DIGITAL LITERACY & STEM

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