Create a 3D printing culture in your school

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HELLO!

I am Tim Cooper

I am here because I love to 3D printing.

You can find me at @tcoops or tcooper@yorkschool.com
Culture is made up of

» literacy
» capacity
» vision
Literacy

» Student
» Teacher
Capacity

» equipment
» workflow
Vision

» Where does it sit?
» Aspirations
» What does it uniquely offer?
LITERACY
Students

» skills
   ◊ technical
   ◊ artistic
» 3D thinking
Teachers

» Possibilities
» Realistic student expectations
» Assessment
Assessment

Skills

Choices

Message
CAPACITY
<table>
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<tr>
<th>Name</th>
<th>Owner</th>
<th>Last modified</th>
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<tbody>
<tr>
<td>printed</td>
<td>me</td>
<td>Jan 23, 2017</td>
</tr>
<tr>
<td>bff_turtles_somerset_olivia_caroline purple</td>
<td>Caroline Schwartz</td>
<td>Jan 19, 2017</td>
</tr>
<tr>
<td>Logan Daniels - 6B - Purple.stl</td>
<td>Logan Daniels</td>
<td>Jan 17, 2017</td>
</tr>
<tr>
<td>Ross Bowen 6B Wooden.stl</td>
<td>Ross Bowen</td>
<td>Jan 13, 2017</td>
</tr>
<tr>
<td>Sam Novac - 6B needs fixing - Red.stl</td>
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<td>Jan 23, 2017</td>
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# Planning prints

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<th>Number of students</th>
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<th>Number of printers</th>
<th>Avg time per print</th>
<th>Total Prints/Total time for project</th>
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</thead>
<tbody>
<tr>
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<td>3</td>
<td>60</td>
<td>5/20</td>
</tr>
<tr>
<td>60</td>
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<td>3</td>
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<tr>
<td>60</td>
<td>1</td>
<td>3</td>
<td>60</td>
<td>20/20</td>
</tr>
</tbody>
</table>
Post-Print

» Acrylic paint
» Extra materials
» Iteration
CAPACITY BUILDING PROJECTS

» Rockets
  ◇ fin iteration
  ◇ Body tats
  ◇ Nose cone
CAPACITY BUILDING PROJECTS

» Volume Project - Math
  ◊ Spacial perception
  ◊ measurement
MODERATE SKILLS

» Ball Maze Project - Science

◊ Design choices
◊ adaptation
MODERATE SKILLS

» Personal Logo Project
◊ Design choices
◊ Message
◊ Creativity
◊ Integration
ADVANCED PROJECTS

» Fidget Toy Project
   ◇ Integration of other materials
   ◇ modification
OUR PROCESS IS EASY

literacy

infrastructure

vision
THANKS!

Any questions?

You can find me at

» @tcoops
» tcooper@yorkschool.com
» Linkedin - ca.linkedin.com/in/tcoops
» Thingiverse - tcoops
CREDITS

Special thanks to all the people who made and released these awesome resources for free:

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[https://www.fontsquirrel.com/fonts/roboto](https://www.fontsquirrel.com/fonts/roboto)

Dark aqua **#3796bf** / Aqua **#4bb5d9** / Light aqua **#81d1ec**
Yolk yellow **#ff9900**

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