HOW TO ACCESS

Engineering byDesign™

In Virginia
What Is Engineering byDesign™?

• Model Curriculum for K-12 STEM and Engineering
• Aligned to National Standards:
  • Common Core State Standards – Math & ELA
  • Next Generation Science Standards
  • Standards for Technological Literacy
• Real world context through engineering challenges
• Developed by the STEM Center for Teaching and Learning at ITEEA
## K-12 Integrative STEM Curriculum

<table>
<thead>
<tr>
<th>Core Program</th>
<th>Grade Level</th>
<th>Curriculum</th>
<th>NASA Support</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>PreK–2</td>
<td>3–6</td>
<td>EbD-TEEMS NXTGEN™</td>
<td></td>
<td>1-6 weeks</td>
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<tr>
<td></td>
<td>6</td>
<td>Exploring Technology</td>
<td></td>
<td>18 weeks</td>
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<tr>
<td></td>
<td>7</td>
<td>Invention and Innovation</td>
<td></td>
<td>18 weeks</td>
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<tr>
<td></td>
<td>8</td>
<td>Technological Systems</td>
<td></td>
<td>18 weeks</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Foundations of Technology</td>
<td></td>
<td>36 weeks</td>
</tr>
<tr>
<td></td>
<td>10–12</td>
<td>Technology and Society</td>
<td></td>
<td>36 weeks</td>
</tr>
<tr>
<td></td>
<td>10–12</td>
<td>Technological Design</td>
<td></td>
<td>36 weeks</td>
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<tr>
<td></td>
<td>11–12</td>
<td>Advanced Design Applications</td>
<td></td>
<td>36 weeks</td>
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<tr>
<td></td>
<td>11–12</td>
<td>Advanced Technological Applications</td>
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<td>36 weeks</td>
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<tr>
<td></td>
<td>11–12</td>
<td>Engineering Design (Capstone)</td>
<td></td>
<td>36 weeks</td>
</tr>
</tbody>
</table>
Access to EbD Curriculum in Virginia:
VA-EbD STEM Network

Eligibility Options:
1. Virginia teachers
2. University and college that are a VA-EbD partner

- NO COST TO ACCESS THE SE 
- ACCESS THROUGH PASSWORD-PROTECTED WEBSITE
Go to the **www.iteea.org** website
“Login” or “Create Account” to create a FREE account
Click on GLOBAL STEM
Click on STEM BY STATE
Click on VA on the map
Click on Request Access Button
Complete the Form and Submit

FIRST NAME
Mohamad

LAST NAME
Barbarji

EMAIL
mbarbarji@wpschools.net

ORGANIZATION / SCHOOL
West Point School Board

STATE
VA

MESSAGE (OPTIONAL)

Request Access  Cancel
The EbD State Director will then log into the state page and grant access by clicking on the Manage Access tab and checking the box next to the teacher's name. Only the person who has been designated to manage access for each state can see this tab. When access has been granted, the teacher will receive notification by email.

The EbD State Director receives notification

The user message request:
For access, login to the ITEEA website, visit your consortium resources page and locate the user. To enable access to the documents, click on box next to their name. To remove access, unclick this box.

For additional questions, contact ITEEA at (iteea@iteea.org)
Your request for access to the EbD resources on the (STATE) Consortium page has been granted by your EbD Consortium Director. Go to the ITEEA website and login. Click the STEM by STATE map and click on your state. You will now see the “EbD Resources” tab. Click the tab to see your state’s EbD courses. If you do not see this tab, log out, refresh your browser, and log back in so the system will recognize your new status. The files you see here are either ZIP files or PDF. You must “extract all” files in the Zip files. Click the STARTHERE file in the root folder to begin.

Email ITEEA at iteea@iteea.org with questions.

Log back into the ITEEA website (you should log out and refresh your browser so the system will recognize your new status). Go to the VA page. You should now see the EbD Resources tab which contains the EbD courses to which you have access.
Click the EbD Consortium Resources tab.

Click I Agree on the user agreement screen.
Downloading a Course

Click the course title.

Click the download button.
Download the ZIP file and save as to the appropriate folder on your computer.
Unzipping Your File

Click the folder and then click Extract all to unzip. Click Extract.

Click the Start_Here.html to open the course.
UPGRADE YOUR SCHOOL’S ACCESS TO EbD!

Become an EbD™ Network School

✔ Online access to the Media Rich edition (MRe) of the curriculum delivered through a state-of-the-art platform – EbD Buzz™

✔ Online Pre/Post assessments to measure student learning and a dashboard to access real-time data

✔ Summative achievement and growth reports – useful for identifying “teacher effectiveness” and SOL data

✔ Lead teachers in VA receive “train-the-trainer” professional development at the annual VA-EbD Institute

✔ Exclusive online professional learning community

✔ Additional PD offerings are available from ITEEA throughout the summer and at the ITEEA conference

✔ VA-EbD Network Schools are also provided with an ITEEA STEM School membership!
FOR MORE INFORMATION:

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Administrative Coordinator
CTE Resource Center
kreilly@cteresource.org